User Manual

SAMSUNG Gem™

verizon wireless

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Gem™

PORTABLE ALL DIGITAL SMART PHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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Section 1: Getting Started

This section allows you to quickly start using your phone by installing and charging the battery, activating your service, and setting up voicemail.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 147.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 119.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen, and using the external keys. To get to the Home screen, you may need to unlock the phone or keypad. For more information, see *"Securing Your Phone"* on page 13.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

Throughout this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature, menu, or sub-menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

→	Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures.

Example: "From the Home screen, press the **Menu Key**, then touch **Settings → Wireless & networks → Wi-Fi settings**."

Activating your Phone

If you purchased your phone at a Verizon Wireless store, it is activated and ready to use. If you received a new phone by mail, it may need to be activated before you can use it.

To activate your phone, choose from the following:

- Visit a Verizon Wireless store.
- Contact Verizon Wireless customer support.
- Visit www.verizonwireless.com to manage your account online.

Displaying Your Phone Number

My phone number displays the ten-digit phone number assigned to your phone.

▶ From the Home screen, press the **Menu Key**, then touch **Settings → About phone → Status → My phone number**.

Battery

Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning!: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

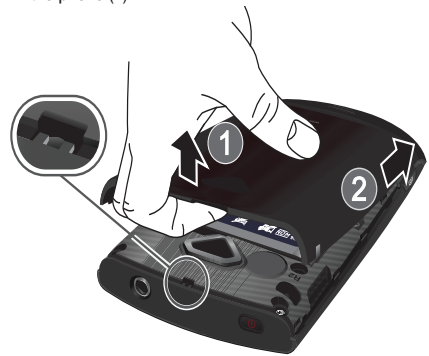
The battery icon in the annunciator line shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- Pull up using the slot provided (1), while lifting the cover off the phone (2).



Installing the battery cover

- Align the cover and press it firmly into place, being sure it snaps into place at the corners.

Installing the Battery

1. Remove the battery cover. For more information, see *"Removing the battery cover"* on page 6.
2. Insert battery into the phone housing, aligning the gold contacts on the battery with the gold contacts in the phone. Push down on the bottom of the battery down until it snaps into place.

3. Install the battery cover.

Removing the Battery

1. Remove the battery cover. For more information, see *"Removing the battery cover"* on page 6.
2. Lift the battery up by the slot provided.

3. Lift the battery up and out of the phone.

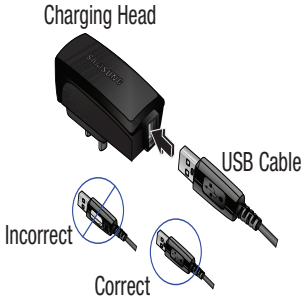
Charging the Battery

Your phone comes with a Wall/USB Charger (Charging Head and USB cable) to rapidly charge your phone from any 120/220 VAC outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

1. Connect the USB cable to the charging head.



2. Pull the connector cover out and turn to expose the connector.

3. Insert the USB cable into the port.
4. Plug the charging head into a standard AC power outlet.
5. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the phone.

Non-Supported Batteries

Samsung handsets do not support the use of non-approved batteries.

Important!: Using a non-supported battery may damage to your phone.

When using a non-supported battery you will hear a series of beeps and see a warning message:

"**NON-SUPPORTED BATTERY. SEE USER MANUAL**"

If you receive this warning, battery charging has been disabled.

Samsung charging accessories, such as the charging head and cigarette lighter adapter, will only charge Samsung-approved batteries.

Note: When using a non-supported battery, the phone can only be used for the duration of the life of the battery and cannot be recharged.

Turning Your Phone On and Off

Turning Your Phone On

- Press and hold the **Power/Lock Key** for three seconds.

  While powering on, the phone connects with the network, then displays the Home screen and active alerts.

Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

1. Press and hold the **Power/Lock Key** for two seconds.
2. At the prompt, tap **Power off**.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Maps, Google Talk and the Android Market. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone:

- Use the Set-up Wizard (see *"Set-up Wizard"* on page 10.)
- Use Accounts & sync settings (see *"Accounts & sync"* on page 109.)

Displaying Your Phone Number

▶ From the Home screen, press the **Menu Key**, then touch **Settings** → **About phone** → **Status**. Your phone number displays under **My phone number**.

System Tutorial

Learn about important concepts to get the most out of your phone.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** → **About phone** → **System tutorial**.

Set-up Wizard

The first time you turn your phone on, the Set-up Wizard will prompt you to customize your phone. Use the Set-up Wizard to set up your accounts, and to view helpful information about the phone.

To access the Set-up Wizard at any time:

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Set-up Wizard**.
2. Follow the prompts to configure:
   - **Backup Assistant**: Save your contacts to a secure web site. For more information, For more information, refer to *"Backup Assistant"* on page 50.
   - **Adding accounts**: Configure access to your Facebook, Twitter, MySpace, Corporate or Google accounts. For more information, see *"Accounts"* on page 36.
   - **My Location**: Configure your phone's use of location services. For more information, see *"My Location"* on page 103.
   - **Search mode**: View information about pressing and holding the **Menu Key** to access Search mode from any screen.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone. For more information, see *"Voicemail"* on page 35.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode. For more information, see *"TTY Mode"* on page 99.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon appears in the Annunciator Line of the display.

Tip: You can set your phone's roaming behavior. For more information, see *"Mobile networks"* on page 97.

During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving call.

Note: Contact Verizon Wireless for more information about your coverage area and service plan.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, and other files.

Note: You can only store music files that you own (from a CD or purchased with the phone) on a memory card.

Installing a Memory Card

1. Remove the battery cover. For more information, see *"Removing the battery cover"* on page 6.
2. Locate the memory card slot and orient the memory card so the gold contacts are facing down (see illustration).

3. Carefully insert the memory card into the slot and push it in until it clicks into place.
4. Install the battery cover. For more information, see *"Installing the battery cover"* on page 6.

Removing a Memory Card

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings → SD card & phone storage → Unmount SD card**.
2. Remove the rear cover. For more information, see *"Removing the battery cover"* on page 6.
3. Gently press on the memory card, then release, so that it pops out from the slot.
4. Carefully pull the card out of the slot.
5. Install the rear cover. For more information, see *"Installing the battery cover"* on page 6.

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your phone.

Formatting a Memory Card using Your Phone

1. From the Home screen, press the **Menu Key**, then touch **Settings → SD card & phone storage**
2. Touch **Unmount SD card**.
3. After unmounting the SD card, touch **Format SD card**.
4. Follow the prompts to confirm the formatting of the card.

Formatting a Memory Card using Your PC

For best playback of songs stored on a microSD™ or microSDHC™ memory card, use the PC file system FAT32. Consult your PC and/or memory card reader documentation for information about formatting memory cards.

Securing Your Phone

By default, the phone locks automatically when the backlight goes off, or you can lock it manually. For increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Personal Screen Unlock Pattern, see *"Screen unlock pattern"* on page 104.

For other settings related to securing your phone, see *"Location & security"* on page 103.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

- Press the **Power/Lock Key** on the top of the phone.

  – or –

  Press the **End Key**.

Unlocking the phone

1. Press the **Power/Lock Key** on the top of the phone to wake the screen.

Note: You can choose whether to press any key to wake the screen, or to only wake the screen when you press the Power/Lock Key. For more information, see *"Unlock settings"* on page 102.

2. Sweep your finger across the screen from bottom to top.

Unlocking with a Personal Screen Unlock Pattern

1. Press the **Power/Lock Key** to wake the screen.
2. Draw your unlock pattern on the screen.

Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

Features

- 3.2-inch WQVGA full-color touch screen
- CDMA 1X/EVDO Rev. A Wireless Technology
- Android platform
- Full integration with Google applications, including Google Search, Google Maps, Google Talk and Gmail
- Android Market, plus pre-loaded applications
- Support for Wi-Fi 802.11 b/g/n
- Music Player, supporting MP3, AAC, AAC+ and WMA9 formats
- V CAST Music with Rhapsody, V CAST Song ID, V CAST Tones and V CAST Videos
- Messaging Services
  - Text Messaging
  - Picture Messaging
  - Video Messaging
  - Voice Messaging
  - Email
  - Mobile Instant Messenger (IM)
  - Chat
- 3.2 Megapixel CMOS Camera/Camcorder
- DivX Certified® to play DivX video up to 320x240
- Speakerphone
- Support for microSD™ and microSDHC™ Memory Cards (up to 32GB capacity)
- Bluetooth® 2.1 + EDR Wireless Technology. For more information about supported profiles, see *"Bluetooth profiles"* on page 94.

Front View

1. **Earpiece**: Listen to callers.
2. **Send Key**: Press to place or answer a call. From the Home screen, press to access the Call log. From the Home screen, press and hold to dial the last number you dialed. While on a call, press to answer a new incoming call, then press to switch back to the first call.
3. **Menu Key**: Press to display options for the current screen. Press and hold at any time to launch Quick Search.
4. **Home Key**: Press to display the Home screen. Press and hold to display Home screen options.
5. **Back Key**: Press to return to the previous screen or option.
6. **End Key**: Press to end a call. Press to send an incoming call to Voicemail. Press to manually lock the phone.

Side Views

1. **Volume Key**: From the Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
2. **USB Power/Accessory Port**: Plug in a USB cable for charging or to sync music and files.
3. **Camera Key**: Press and hold to activate the camera. While in Camera mode, press to take a picture.
4. **Strap holder**: Attach an optional carrying strap (not included).

Back View

1. **Power/Lock Key**: Press and hold to turn the phone on or off. Press to lock the phone, or to wake the screen for unlocking.
2. **Camera lens**: Used when taking photos or recording videos.
3. **External Speaker**: Listen to ringers, music and other sounds.
4. **3.5mm Headset Jack**: Plug in an optional headset or TTY equipment.

Touch Screen Display

Your phone's display is the interface to its features.

1. **Annunciator Line**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Annunciator Line"* on page 19.
2. **Home screen**: The starting point for using your phone. Place icons, widgets and other items to customize your phone to your needs. For more information, see *"Home Screen"* on page 23.
3. **Primary Shortcuts**: Shortcuts to your phone's common features. For more information, see *"Primary Shortcuts"* on page 21.
4. **Shortcuts**: Shortcuts to common applications.These shortcuts are found on the Home screen by default. For more information, see *"Shortcuts"* on page 25.
5. **Widgets**: Applications that run on the Home screen. These widgets are found on the Home screen by default. For more information, see *"Widgets"* on page 24.

Display settings

You can customize display settings to your preferences. For more information, see *"Display settings"* on page 101.

Annunciator Line

The Annunciator line displays icons to show network status, battery power, and other details.

Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.

Airplane Mode Active: All wireless communications are disabled. See *"Airplane mode"* on page 96.

System Alert: Check Notifications Panel for alerts.

Voice Call: A voice call is in progress.

Speakerphone: Speakerphone is enabled.

Missed Call: Displays when there is a missed call.

Battery Level: Shown fully charged.

Charging Indicator: Battery is charging.

Device Power Critical: Battery has only three percent power remaining. Charge immediately.

3G Connection Active: Phone is active on a 3G system.

USB Connected: The phone is connected to a computer using a USB cable.

New Voicemail: You have new voicemail.

New Email Message: You have new email.

Alarm Set: An alarm is active. For more information, refer to *"Alarm Clock"* on page 85.

Silent mode: All sounds except media and alarms are silenced. See *"Silent mode"* on page 99.

Vibrate mode: All sounds are silenced, but the phone vibrates for alerts. See *"Ringer volume"* on page 100.

SD Card Ready: Installed memory card is ready for mounting.

SD Card Removed: A memory card was uninstalled.

Bluetooth Active: Bluetooth is turned on.

Bluetooth Connected: The phone is paired with another Bluetooth device.

Wi-Fi Active: Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).

TTY: TTY Mode is active.

Navigation

Navigate your phone's features using the command keys and the touch screen.

Warning!: If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see *"Warranty Information"* on page 139.

Command Keys

Menu Key

Press the **Menu Key** to display a context-sensitive menu of options for the current screen or feature.

Press and hold the **Menu Key** to launch Quick Search.

Home Key

Press the **Home Key** to display the Home screen.

Press and hold the **Home Key** to display Home screen options.

Back Key

Press the **Back Key** to return to the previous screen, option or step.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

- Press the **Menu Key**.
- Touch and hold on an item.

Touch

Touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling the Home screen or a menu

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the **Applications** / **Home** shortcut.

Note: When you access **Applications**, the **Home** shortcut replaces the **Applications** shortcut to provide quick return to the Home screen.

The default primary shortcuts are:

- **Phone**: Launches the Phone, to make calls. For more information, see *"Making Calls"* on page 30.
- **Contacts**: Store and manage your contacts. For more information, see *"Contacts"* on page 40.
- **Messaging**: Send and receive messages. For more information, see *"Messaging"* on page 54.
- **Applications**: Access your phone's applications. For more information, see *"Applications"* on page 27.

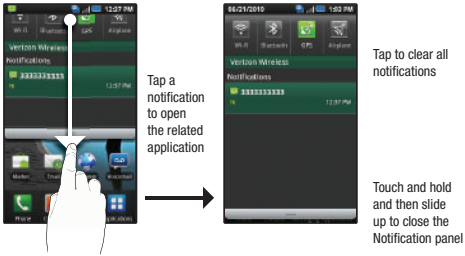
Editing the Primary Shortcuts

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **Edit**.
3. Touch and hold an application icon, then drag it to replace a primary shortcut.
4. Press the **Menu Key**, then touch **Save**.

Notification Panel

The Notification Panel shows information about connections, messages and other items.

- Sweep your finger downward from the top of the screen.


Tap a notification to open the related application
Tap to clear all notifications
Touch and hold and then slide up to close the Notification panel

Connection Icons

Icons at the top of the Notification Panel show connection status at a glance:

- **Wi-Fi**
- **Bluetooth**
- **GPS**
- **Airplane mode**

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch **Clear** to clear all notifications.

Home Screen

The Home screen is the starting point for using your phone.

Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Extended Home Screen

The Home screen consists of Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Customizing the Home Screen

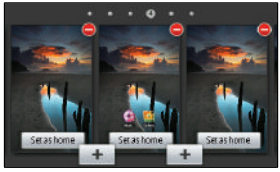
Customize the Home screen to suit your preferences.

- **Add Shortcuts**: For more information, see *"Shortcuts"* on page 25.
- **Add Widgets**: For more information, see *"Widgets"* on page 24.
- **Add Folders**: For more information, see *"Folders"* on page 26.
- **Change the Wallpaper**: For more information, see *"Wallpaper"* on page 26.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one panel as Home.

1. From the Home screen, press the **Menu Key**, then touch **Edit page**.



2. Sweep your finger across the screen to scroll the panels, and use these controls to configure panels:

Delete: Remove the panel from the Home screen.

Add: Scroll the panels to display the location for a panel, then touch the **Add** button. Add previously-removed panels up to the default total of seven.

Set as Home: Touch to set a panel as the Home screen. The panel set as Home will display when you press the **Home Key**.

Widgets

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

Adding Widgets to the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets**, then touch a selection to add it to the Home screen:

Analog Clock: Display an analog-style clock.

Digital Clock: Display a digital-style clock.

Latitude: Find friends and family on Maps. See *"Maps"* on page 67.

Music: Control music playback.

Picture frame: Display a picture.

Power control: Set network and power settings.

Search: Perform Google searches.

YouTube: Search YouTube and watch videos.

Removing Widgets

- Touch and hold the Widget until **Trashcan** appears, then drag the Widget to the **Trashcan**.

Shortcuts

Use Shortcuts for quick access to applications or features, such as Email or other applications. You can create a Shortcut to call or send a message to a contact you specify, or even to directions to a destination or a setting you use often.

Adding Shortcuts from the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection:

Applications: Launch an application. For a list, see *"Applications"* on page 27.

Bookmark: Launch bookmarked web page.

Contact: View a contact you specify.

Direct dial: Automatically call a contact you specify.

Direct message: Create a message to a contact you specify.

Directions & Navigation: Get directions to a destination. See *"Maps"* on page 67.

Gmail label: Launch a Gmail account.

Latitude: Find friends and family on Maps. See *"Maps"* on page 67.

Music playlist: Access a playlist.

Settings: Go to a specific setting.

3. Follow the prompts to configure the Shortcut and add it to the Home screen.

Adding Shortcuts from Applications

1. Navigate to the Home screen panel.
2. From the Home screen, touch **Applications**.
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

Removing Shortcuts

- Touch and hold the Shortcut until **Trashcan** appears, then drag the Shortcut to the **Trashcan**.

Folders

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Folders**, then touch a selection to add it to the Home screen:

New folder: Create a new empty folder.

All contacts: Create a folder containing all contacts.

Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.

Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.

Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

▶ Touch and hold the Folder until **Trashcan** appears, then drag the Folder to the **Trashcan**.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

   – or –

   From the Home screen, press the **Menu Key**, then touch **Wallpaper**.

2. Choose a source for images:
   - **Pictures**: Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
   - **Wallpaper gallery**: Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Applications

Applications display on the Applications screens to provide access to your phone's applications.

You can also place shortcuts to applications on the Home screen, for quick access to the application. For more information, see *"Adding Shortcuts from Applications"* on page 25.

Accessing Applications

1. From the Home screen, touch **Applications**.
2. Sweep your finger right or left to scroll the two Applications panels.
3. Touch an application's icon to launch the application.

Customizing the Applications Screens

Choosing a view

By default, application icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **List View**.

Moving Application icons

1. From the Home screen, touch **Applications.**
2. Press the **Menu Key**, then touch **Edit**.
3. Touch and hold an application icon, then drag it to a new location.

Tip: You can place Applications on the Primary Shortcuts bar, to allow access to the application from any screen. For more information, see *"Editing the Primary Shortcuts"* on page 21.

4. When you are finished, press the **Menu Key**, then touch **Save**.

Applications

3G Mobile Hotspot: Share your phone's mobile internet connection with a PC through Wi-Fi.

Alarm Clock: Set alarms to go off once, or to repeat on specified days. For more information, see *"Alarm Clock"* on page 85.

Browser: Access the Internet. For more information, see *"Browser"* on page 62.

Calculator: Perform mathematical calculations. For more information, see *"Calculator"* on page 86.

Calendar: Record events and appointments to manage your schedule. For more information, see *"Calendar"* on page 87.

Camera: Take pictures or record videos. For more information, see *"Camera"* on page 74.

City ID: Subscribe to display the city and state for incoming calls. For more information, For more information, refer to *"City ID"* on page 88.

Contacts: Save and manage contact information for your friends and colleagues. Appears in the Primary Shortcuts by default. For more information, see *"Contacts"* on page 40.

DivX® VOD: View DivX videos. For more information, see *"DivX VOD"* on page 80.

Email: Send and receive email from your phone. For more information, see *"Email"* on page 59.

Gallery: View and manage pictures stored on your phone, or on an installed memory card. For more information, see *"Gallery"* on page 78.

Gmail: Send and receive emails via Gmail, Google's web-based email. For more information, see *"Gmail"* on page 57.

Maps: Use Google Maps to find your current location, and search and get directions. For more information, see *"Maps"* on page 89.

Market: Browse, download, and install Android applications. For more information, see *"Market"* on page 89.

Messaging: Send and receive messages. By default, appears in the Primary Shortcuts. For more information about messages, see *"Messaging"* on page 54.

Mobile IM: Send and receive IMs via AOL, Windows Live, or Yahoo!. For more information, see *"Mobile IM"* on page 61.

Music: Play music stored on an installed memory card. For more information, see *"Music"* on page 69.

Phone: Make and answer calls. For more information, see *"Call Functions"* on page 30.

Scrabble: Play the popular word game, right on your phone.

Settings: Configure your phone to your preferences. For more information, see *"Settings"* on page 93.

Skype mobile™: Make calls and send instant messages to anyone who has Skype.

Talk: Chat with other Google Talk users. For more information, see *"Google Talk"* on page 58.

Tetris: Play the popular arcade game on your phone. For more information, see *"Tetris"* on page 90.

V CAST Music with Rhapsody: Browse and download songs from the V CAST with Rhapsody catalog. For more information, see *"V CAST Music with Rhapsody"* on page 71.

V CAST Song ID: Find the title, artist and album for virtually any recorded music. For more information, see *"V CAST Song ID"* on page 73.

V CAST Tones: Preview, download and purchase ringtones and ringback tones. For more information, see *"V CAST Tones"* on page 73.

V CAST Videos: Browse and download videos from the V CAST library. For more information, see *"V CAST Videos"* on page 77.

Voice Dialer: Speak commands to make calls, and to launch other phone features. For more information, see *"Voice Dialer"* on page 34.

Voice Search: Perform a Google search by speaking your search terms. For more information, see *"Voice Search"* on page 67.

Voicemail: Retrieve messages from callers. For more information, see *"Voicemail"* on page 35.

VZ Navigator: Find, share and navigate to millions of locations. For more information, see *"VZ Navigator"* on page 92.

YouTube: View and upload YouTube videos, right from your phone. For more information, see *"YouTube"* on page 62.

This section describes how to make, answer or end calls.

Making Calls

Your phone offers multiple ways to make calls:

- Use the touch screen **Phone Dialer** to enter the phone number or speed dial number, then press the **Send Key**.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Call log**.
- Voice dial using **Voice Dialer**.

Making Calls Using the Phone Dialer

1. From a Home screen, touch **Phone**.
2. Touch the digits of the telephone or speed dial number on the **Dialer** keypad. While dialing, use these options:

   - Press the **Menu Key**, then touch **Speed dial setting** to dial or set Speed Dials.
   - Press the **Menu Key**, then touch **Add 2 sec pause** to insert a 2-second pause in the telephone number.
   - Press the **Menu Key**, then touch **Add wait** to insert a Wait pause in the telephone number, to pause dialing to wait for input from you.
3. Touch **Call** or press the **Send Key**.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 40.

1. From a Home screen, touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch Call to dial the default number for the Contact.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Starred Contacts"* on page 45.

1. From a Home screen, touch **Phone**.
2. Touch Favorites **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Touch Call to dial the default number for the Contact.

Making Calls using Voice Dialer

Call a contact or telephone number by speaking the name or number. For more information, see *"Voice Dialer"* on page 34.

Making Calls from Call Log

Return a call, or call a number from a recent call stored in Call log. For more information about Call log, see *"Call Log"* on page 33.

1. From the Home screen, touch **Phone**.
2. Touch Call log **Call log** to display recent calls.
3. Find a call, then touch **Call** to dial the number.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

Setting up a Multi-Party Call

1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the **Dialer** displays.
3. Enter the second phone number, then press or press the **Send Key**.
4. Touch **Merge or** press the **Send Key**. The two calls are joined into one, 3-way call.

Answering a Call

To answer an incoming call:

▶ Press the **Send Key**.

– or –

Touch **Accept** on the Incoming call screen.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call by rejecting it to send the caller to voice mail, or reject the call and send a message to the caller.

Rejecting a call

When you reject a call, the caller is directed to leave a voice mail.

▶ On the Incoming call screen, touch **Reject**.

Rejecting a call with a message

You can reject an incoming call by sending the caller a text message. You can create a new message, or choose a message you previously created. For more information about creating reject messages, see *"Ignore with message"* on page 98.

▶ On the Incoming call screen, touch **Reject with msg.**, then touch a message or touch **Create new message** to enter new text.

Answering Call-Waiting Calls

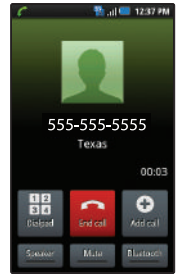
When you receive a call while on a call:

- Touch **Answer** to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place the second call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:

- **Dialpad**: Display a dialpad to enter numbers.
- **End call**: End the phone call.
- **Add call**: Display the Phone Dialer to set up a multi-party call.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Bluetooth**: Switch the call audio to a Bluetooth headset.



Silencing an Incoming Call Ringtone

When your phone alerts you to an incoming call, you can silence the ringtone for the call by one of these methods:

- Touch **Silence** on the Incoming call screen.
- Press the **Volume Key** down.

Ending a Call

▶ Press the **End Key**.

Call Log

When you place, answer, or miss a a call, a record of the call is saved in the Call log.

Accessing Call Log

▶ From the Home screen, touch **Phone** ➔ **Call log**.

Making Calls using Call Log

Return a call, or call a number from a recent call stored in Call log. For more information, see *"Making Calls from Call Log"* on page 31.

Sending Messages using Call Log

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. Touch a call to display details.
3. Touch **Send message** to create a new message, with the phone number entered in the **To** list. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 55.

Creating or Updating Contacts Using Call Log

1. From the Home screen, touch **Phone** ➔ **Call log**.
2. Touch and hold on a call record, then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see *"Contacts"* on page 40.

Managing the Call Log

Deleting Call log records

1. From the Home screen, touch **Phone** → **Call log**.
2. While viewing the Call log, press the **Menu Key**, then select **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Filtering Call log records

1. From the Home screen, touch **Phone** → **Call log**.
2. While viewing the Call log, press the **Menu Key**, then select **View by**.
3. Select a filter type, from **All calls**, **Missed calls**, **Dialled calls**, or **Received calls**.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch **Phone** → **Call log**.
2. While viewing the Call log, press the **Menu Key**, then select **Call duration**.

Voice Dialer

Voice dialer is a voice recognition application you can use to make calls, and to launch other phone features.

1. From the Home screen, touch **Applications** → **Voice Dialer**.
2. The phone displays "**Listening**" and prompts you to speak a command. Follow the voice prompts or touch an on screen option. Voice Dialer commands include:
   - **Call <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Dial <Name or #>**: Call an entry in your Contacts list or a spoken phone number.
   - **Redial <Name or #>**: Repeat a recent call.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. From the Home screen, touch **Voicemail**.

   – or –

   From the Home screen, touch **Applications** ➔ **Voicemail**.

2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. From the Home screen, touch **Voice Mail**.

   – or –

   From the Home screen, touch **Applications** ➔ **Voicemail**.

2. Follow the automated instructions to listen to messages and manage your voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Sending Calls to Voicemail

You can send an incoming call directly to voice mail, or ignore a call to send it to voice mail and respond to the caller with a text message.

Sending a call to voicemail

▶ When a call is incoming, touch Reject. The caller is directed to leave a voice mail.

Ignoring a call with a message

When a call is incoming, touch Reject with Msg..

Visual Voicemail

Use Visual Voicemail to view voice mail details right on your phone. You can choose messages to retrieve, without listening to all messages.

Note: Visual Voicemail requires a subscription. For more information, contact Verizon Wireless.

▶ From the Home screen, touch **Voicemail** ➔ **Visual Voicemail**.

Section 4: Contacts and Accounts

This section explains how to manage your contacts and accounts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Corporate Exchange server, and social networking sites such as Facebook, Twitter, and MySpace. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Synchronize contacts with your Facebook, Twitter and MySpace accounts.

Note: You must register your phone with your social network site before using the phone to access the networks.

With Corporate Exchange and Google accounts you can synchronize Calendar events and Contacts.

Tip: For more information on setting up your email, visit the Smartphone Resource Center at https://smartphones.verizonwireless.com, click on the Smartphone Support tab and select your phone.

Setting Up Your Accounts

Set up and manage your synchronized accounts with the Accounts & sync setting.

For information about setting up other, non-synchronized email accounts, see *"Configuring Email Accounts"* on page 59.

Adding a Google account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Add account** ➔ **Google.**
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
   - **Create**: Follow the prompts to create a new account.
   - **Sign in**: Enter your Google **Username** and **Password**, then touch **Sign In**.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the **Manage accounts** area of the **Accounts & sync** screen.

Managing a Google account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Tap your Google account to display the **Data & synchronization** screen.
3. Tap a setting to enable or disable synchronization. When enabled, a check mark appears in the check box:
   - **Sync Contacts**: When enabled, synchronizes your Google contacts with your phone's Contacts.
   - **Sync Gmail**: When enabled, synchronizes your Gmail messages on your phone.
   - **Sync Calendar**: When enabled, synchronizes your Google calendar with your phone.

Adding a Corporate account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Add account** ➔ **Corporate.**
3. At the **Set up email** screen, enter your **Email address** and **Password**, then touch **Next**.
4. At the **Server settings** screen, enter server settings, then touch **Next**. The phone communicates with the server to confirm your account.
5. At the **Account options** screen, select account settings, then touch **Next**.
6. At the **Set up email** screen, enter a name for the account (this name will display on screen), and enter your name to appear on outgoing messages. Touch **Done** to complete set-up.
7. Your Corporate account appears in the **Manage accounts** area of the **Accounts & sync** screen, and in the Email application.

Managing a Corporate Exchange account

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync**.
2. Touch your Corporate account to display settings, then touch **Account settings** for these settings:
   - **General settings**
     - **Account name**: Enter a name to identify the account.
     - **Your name**: Enter your name, to be used in outgoing emails.
     - **Email check frequency**: Choose a frequency for the phone to check the server for new emails.
     - **Amount to synchronize**: Choose a time period to determine how many days' email will synchronize.
     - **Default account**: Touch to assign or un-assign this account as the default account for sending email from your phone.
   - **Notification settings**
     - **Email notifications**: Enable or disable display of a new email icon in the Annunciator line when new mail arrives.
     - **Select ringtone**: Assign a ringtone for new email notifications.
     - **Vibrate**: Enable or disable vibration with new email notifications.
   - **Server settings**
     - **Incoming settings**: Modify server settings.
     - **Sync contacts**: When enabled, synchronizes your Exchange contacts with your phone's Contacts.
     - **Sync Calendar**: When enabled, synchronizes your Exchange calendar with your phone.
3. Under **Data & synchronization**, configure these settings:
   - **Sync Contacts**: When enabled, synchronizes your Exchange contacts with your phone's Contacts.
   - **Sync Calendar**: When enabled, synchronizes your Exchange contacts with your phone.

Setting Up a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync** → **Facebook**.
2. Enter your Email and Password, then touch Log in.
3. Follow the prompts to complete the set-up.

Setting Up a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync** → **Twitter**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Setting Up a MySpace account

Note: You must register your phone with MySpace before using the phone to access the site. From the MySpace Account Settings, follow the "Mobile Activation" registration.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Accounts & sync** → **MySpace**.
2. Enter your Email and Password, then touch Log in.
3. Follow the prompts to complete the set-up.

Contacts

To access Contacts:

▶ From the Home screen, touch **Contacts**.

Creating Contacts

1. From the Home screen, touch **Contacts** ➔ **Create contact**.
2. At the **Save contact to** prompt, touch an account for saving the contact:
   - **Phone**: Saves to the phone's Contacts.
   - **Google**: Saves to your Google account.
3. Touch contact fields to enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **First name**, then enter a first name for the contact.
   - Touch **Last name**, then enter a last name for the contact. After entering a last name touch **Expand** to enter a Name prefix or Middle name.
   - Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Pager**, **Assistant**, **Other**, or **Custom** to create a custom label. To add another number, touch **Add phone number**.
   - Touch **Email address** to enter an email address, then touch the **Label** button to choose a label, from **Home**, **Work**, **Mobile**, **Other**, or **Custom** to create a custom label. To add another address, touch **Add email address**.
   - Touch **Instant msg** to enter an instant message address, then touch the label button to choose a label, from **Google Talk**, **AIM**, **Windows Live**, **Yahoo**, **Skype**, **QQ**, **ICQ**, **Jabber**, or **Custom** to create a custom label. To add another IM, touch **Add IM**.
   - Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 46.
   - Touch **Ringtone** to choose a ringtone for the contact.
   - Touch **Company** to enter a company name.
   - Touch **Job title** to enter a work title.
   - To add more fields, tap **Add more fields** to choose **Nickname**, **Postal address**, **Web address**, **Birthday**, **Anniversary** and **Note**.
4. When you finish entering information, touch Save.

Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Press the **Menu Key**, then touch **Add to Contacts** ➔ **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 40.

Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 33.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, then press the **Menu Key** to select **Edit**.

   – or –

   Touch and hold on a contact, then select **Edit** from the pop-up menu.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 40.

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Press the **Menu Key**, then touch **Add to Contacts** ➔ **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. For more information, see *"Creating Contacts"* on page 40.

Updating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Call Log"* on page 33.

Get Friends

Use the Get Friends feature to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

For more information about setting up accounts on your phone, see *"Setting Up Your Accounts"* on page 36.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Get friends**.
3. Touch **Add Account**, then touch an account.
4. Press the **Menu Key**, then touch **Sync now**.

Contacts Display Options

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Display options** to set these options:
   - Touch **Only contacts with phones** to restrict display to contacts with phone numbers.
   - Touch **Phone** to choose contacts for display by group.
   - Touch an account to choose display categories.
3. Touch Done to save options.

Linked Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.

Linking imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Linking also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for linking. You can link imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the linked contact.

Linking contacts

1. From the Home screen, touch **Contacts**.
2. Touch a Phone contact (a contact with the icon) to display its information.
3. Press the **Menu Key**, then touch **Link contact**.
4. Touch an imported contact record to link it to the Phone contact.

Unlinking contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Linked Contacts** field to display linked contacts.
4. Touch a contact to unlink.

Sending Namecards

Sending a Namecard (vCard)

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or via Gmail as an attachment.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Press the **Menu Key**, then touch **Send namecard via**.
4. At the prompt, choose a sending method, then follow the prompts to send the namecard:
   - **Bluetooth**: For more information about sending via Bluetooth, see *"Bluetooth"* on page 83.
   - **Email**: For more information about sending Email, see *"Composing and Sending Email"* on page 60.
   - **Gmail**: For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 57.

Sending multiple namecards via Bluetooth

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or via Gmail as an attachment.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Send via Bluetooth**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Follow the prompts to send the namecards. For more information about Bluetooth, see *"Bluetooth"* on page 83.

Backing Up Your Contacts

Use Backup Assistant to save a copy of your Contacts to a secure web site. For more information, see *"Backup Assistant"* on page 50.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **Backup**.
3. Follow the prompts to log in to your Backup Assistant account.

Exporting and Importing Contacts

You can export your contact list to an installed memory card, or import a list of contacts (previously exported) from a memory card.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Export/Import**.
3. Touch **Import from SD card** or **Export to SD card**, then follow the prompts to complete the operation.

Starred Contacts

Mark contacts with a star to identify them as Starred contacts.

Starred contacts are displayed on the Favorites tab in the Phone Dialer, for fast dialing or messaging.

Creating Starred Contacts

1. From the Home screen, touch **Contacts**.
2. Find a contact, then touch it to display its information.
3. Touch the **Star** at the top right of the screen. The star is illuminated in yellow when the contact is starred.

My Profile

My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** → **My profile** to display your contact information.
3. To add information to your profile, press the **Menu Key**, then touch **Edit**. For more information, see *"Creating Contacts"* on page 40.

Sending My Profile

You can send My Profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment to via Gmail.

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** → **My profile** to display your contact information.
3. Press the **Menu Key**, then touch **Send via**.
4. Choose a sending method, **Bluetooth** or **Gmail**, then follow the prompts to send the profile.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.

Accessing Groups

- From the Home screen, touch **Contacts** → **Groups**.

Creating a New Group

1. From the Home screen, touch **Contacts** → **Groups**.
2. Press the **Menu Key**, then touch **Create**.
3. Touch the **Name** field to enter a Group Name.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone**, or **Phone Ringtone** to select a new ringtone.
5. Touch Save to save the new group.

Editing a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Press the **Menu Key**, then touch **Edit group**.
4. Touch the **Group Name** field to change the Group Name.
5. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone**, or **Phone Ringtone** to select a new ringtone.
6. Touch Save to save the changes.

Deleting a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Press the **Menu Key**, then touch **Delete**.
3. Choose **Group only** or **Group and group members**.
4. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
5. Touch Delete to delete the group(s).

Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. For more information, see *"Creating Contacts"* on page 40.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it, then touch **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch Add to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. For more information, see *"Updating Contacts"* on page 41.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Press the **Menu Key**, then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch Remove to remove the selected contact(s).

Sending a Message to Group Members

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Press the **Menu Key**, then touch **Send Message**.
4. Touch contacts to mark them as recipients for the new message, then touch Send.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 55.

History

History displays all calls, messages, emails, IMs, and Facebook, MySpace and Twitter messages sent and received from contacts.

1. From the Home screen, touch **Contacts** ➔ **History**.
2. A list of calls, messages and emails displays, sorted by time, with most recent first.
3. Press the **Menu Key** for these options:
   - **Delete**: Erase history records.
   - **View by**: Filter records by type. Choose from **Call**, **Message**, **Facebook**, **MySpace**, or **Twitter**.

Activities

Use Activities to view updates to Contacts from your social networking accounts, such as Facebook, Twitter or MySpace.

Note: If you haven't updated Contacts from any accounts, the Activities tab will be blank.

▶ From the Home screen, touch **Contacts** ➔ **Activities**.

Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts you assign to contacts, to allow you to quickly call the contact.

Note: Some Speed Dials are reserved by default, and cannot be assigned:
Speed Dial 97 is reserved for balance inquiries.
Speed Dial 98 is reserved for minutes inquiries.
Speed Dial 99 is reserved for payment inquiries.
Speed Dial 100 is reserved for data call inquiries.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Speed dial**.
3. A list of speed dials displays.Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.
2. Press the **Menu Key**, then touch **More** ➔ **Speed dial**.
3. Press the **Menu Key**, then touch an option:
   - **Remove**: Touch a speed dial to remove it.
   - **Change order**: Touch and hold a speed dial, then drag it to a new location in the list.

Backup Assistant

Backup Assistant is a wireless service that saves a copy of your Contacts to a secure web site. If your phone is lost, stolen or damaged, Backup Assistant can restore your saved contacts to a new phone, wirelessly. You can schedule backups to save your information manually or automatically. Log in to your web account for full access to your contacts for viewing, printing, adding, deleting and editing.

Note: Visit http://www.verizonwireless.com/backupassistant to set up your Backup Assistant account online, before accessing it with your phone.

- From the Home screen, touch **Contacts**, then press the **Menu Key** to select **Backup**.

  – or –

- From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Backup Assistant**.

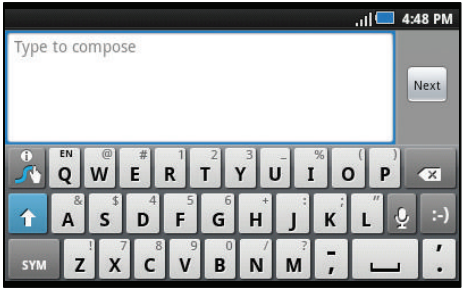
Section 5: Entering Text

This section describes how to enter words, letters, punctuation and numbers when you need to enter text.

Virtual QWERTY Keyboard

Your phone uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to display the keyboard at the bottom of the screen.



Text Input Methods

Your phone offers two text input methods:

- **Swype**: Swype is a new text input method that allows you to enter words by gliding your finger over the virtual QWERTY keyboard, lifting your finger between words.
- **Android Keyboard**: The Android Keyboard is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Android Keyboard includes predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.

Changing the Input Method

When entering text, you can select the text input method.

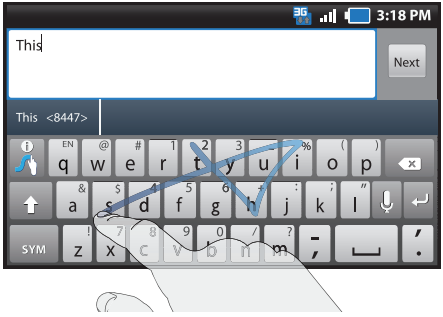
▶ Touch and hold on a text input field, then touch **Input method** to select an input method:

- **Swype**
- **Android Keyboard**

Entering Text Using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word “this”. Put your finger down on the “t”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



When entering sentences, don’t worry about putting in the spaces between words - Swype does that for you to speed things up.

Here are a few tips to get you started:

- **Spacing is automatic**: When you finish a word, just lift your finger and start the next word.
- **Double letters**: Just “scribble” on the key.
- **Contractions**: Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation**: Tap and hold a key to view a punctuation menu and make a selection.
- **Accented characters**: Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction**: If you make a mistake, double-tap on the word you want to change.

Configuring Swype

- You can configure Swype to your preferences. For more information, see *“Swype”* on page 114.
- While entering text, touch the **Options Key** → **Options** to configure Swype.

Swype Help

While entering text, you can get tips and help about using Swype.

- Tap the **Swype Key** to show **Tips**.
- Tap the **Swype Key** → **Tutorial** for an interactive tutorial.
- Tap the **Swype Key** → **More Help** to view Help.

Entering Symbols

Enter common symbols by one of these methods:

- Touch and hold on a key to enter the symbol at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch SYM to switch to Symbol mode, then touch the corresponding key.
- Touch SYM → **Shift**, then touch the corresponding key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.

Entering Numbers

- Touch and hold on a key to enter the number at the top of the key.

Numeric Keyboard

Switch to a numeric keyboard, to quickly enter numbers and mathematical operator symbols:

▶ Touch and hold 123 ABC.

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

To access the Editing Keyboard:

▶ Swype from the **Swype Key** to the SYM **SYM Key**.

Entering Text Using the Android Keyboard

The Android Keyboard is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the on-screen keys with your finger.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring Android Keyboard

You can configure the Android Keyboard to your preferences. For more information, see *"Android keyboard"* on page 115.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

Enter common symbols by touching ?123 to switch to symbol mode, then touching the corresponding key.

To enter less-common symbols, touch ?123 → ALT, then touch the corresponding key.

Enter numbers by touching ?123, then touching the number keys.

Section 6: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:

- Text messages: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- Multimedia messages: Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).
- Mobile IMs: Exchange Instant Messages to users of popular messaging sites.
- Email: Send and receive email from your email accounts, including Corporate Exchange mail.
- Gmail: Send and receive Gmail from your Google account.
- Google Talk: Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Consult Verizon Wireless for more information.

Text and Multimedia Messaging

Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. From the Home screen, touch **Messaging** → **New message**.
2. Tap the **To** field to enter recipients:
   - **Enter contacts by name**. As you enter a name, matching contacts appear on screen. Touch a contact to add it to the list.
   - **Enter phone numbers**. As you enter a number, matching contacts appear. Touch a contact to add it to the list.
   - **Enter email addresses**: As you enter addresses, matching contacts appear on screen. Touch a contact to add it to the list.
3. Touch the **Type to compose** field, or touch **Next**, and compose your message. While composing a message, press the **Menu Key** for these options:
   - **Add subject**: Add a subject field to the message and enter a subject. (This option also converts the message to MMS.)
   - **Attach**: Add content to the message to convert it to MMS.
     - **Pictures**: Add a picture.
     - **Capture picture**: Take a new picture.
     - **Videos**: Add a video.
     - **Capture video**: Record a new video.
     - **Audio**: Add a sound clip.
     - **Record audio**: Create a new audio clip.
     - **Slideshow**: Add a slideshow of pictures to this message.
   - **Insert smiley**: Add a text emoticon to the message.
   - **Discard**: Cancel the message.
   - **All threads**: Display all message threads (closes the current message, with the option to save it as a draft).
4. Touch Send to send the message.

Managing Messages

Threaded View

Messages you send and receive to the same contact, number or address are grouped together as a "thread". Threaded messages allow you to see all the messages you exchanged with a contact, or other recipient, with the latest message displayed first.

1. From a Home screen, touch **Messaging**.
2. Message threads display by contact, number, or address. While viewing message threads, you have these options:
   - Touch and hold a thread to choose from:
     - **View thread**: Display the entire message thread.
     - **Add to contacts**: Save the sender/recipient's information as a new contact, or to update an existing contact.
     - **Delete thread**: Erase the entire message thread.
   - Press the **Menu Key** for these options:
     - **Compose**: Create a new message.
     - **Delete threads**: Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.
     - **Search**: Enter characters to search messages and recipient lists.
     - **Settings**: Configure message settings.

Message Settings

Configure message settings.

1. From a Home screen, touch **Messaging**.
2. Press the **Menu Key**, then touch **Settings** to set:
   - **Delete old messages**: Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages to make room.
   - **Text message limit**: Touch to set a limit for the number of text messages per thread.
   - **Multimedia message limit**: Touch to set a limit for the number of multimedia messages per thread.
   - **Auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
   - **Roaming auto-retrieve**: Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS messages.
   - **Notifications**: Touch to enable or disable alerts in the status bar.
   - **Select ringtone**: Touch to select a ringtone for message alerts.
   - **Vibrate**: Touch to enable or disable vibration for message alerts.

Gmail

Send and receive emails via Gmail, Google's web-based email.

Tip: Use the Set-up Wizard to set up your Google account on your phone. For more information, see *"Set-up Wizard"* on page 10.

▶ From the Home screen, select **Applications** ➔ **Gmail**.

Configuring Your Gmail Account

Set up your Google account to synchronize contacts, calendars, and allow access to Gmail. For more information, see *"Adding a Google account"* on page 36.

Refreshing Your Gmail Account

Refresh your account to update your phone from the Gmail servers.

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key**, then touch **Refresh**.

Composing and Sending Gmail

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key**, then touch **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, press the **Menu Key** for these options:
   - **Send**: Send the message.
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Attach**: Launch Gallery to select a picture to add to the message.
   - **Edit subject**: Modify the email's subject.
   - **Discard**: Close the message without saving.
7. Touch **Send** to send the message.

Gmail account settings

1. From the Home screen, select **Applications** ➔ **Gmail**.
2. Press the **Menu Key** for these options
   - **Refresh**: Update Gmail on your phone from the Google servers.
   - **Compose**: Create a new email.
   - **Accounts**: View and choose from your Google account(s).
   - **View labels**: View Google content by label.
   - **Search**: Find Gmail items.
   - **Settings**:
     - **Signature**: Create a text signature to add to outgoing messages.
     - **Confirm delete**: Have your phone prompt you to confirm deletions.
     - **Batch operations**: Allow changes to labels on more than one conversation.
     - **Clear search history**: Remove previous searches you have performed.
     - **Labels**: Choose which labels are synchronized.
     - **Email notifications**: When enabled, notifications for new email appears in the Notifications Panel.
     - **Select ringtone**: Choose a ringtone for new email notifications.
     - **Vibrate**: When enabled, the phone will vibrate for new email notifications, along with the ringtone (if a ringtone is selected.)

Google Talk

Chat with other Google Talk users.

Tip: Talk requires that you have a Google account. Use the Set-up Wizard to set up your Google account on your phone. For more information, see *"Set-up Wizard"* on page 10.

1. From the Home screen, select **Applications** ➔ **Talk**.
2. If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.
3. Use the application's controls to chat with other Google Talk users.

Email

Send and receive email using popular email services.

Note: Only some paid "Plus" accounts include POP access to allow this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Please launch the Web browser to access your account.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

Configuring the first email account

1. From the Home screen, select **Applications** ➔ **Email**.
2. Touch **Email address** to enter your email address, then touch **Password** or touch **Next** to enter your password.
3. Touch a setup option:
   - **Manual setup**: Configure the account manually. Touch **POP3**, **IMAP** or **Exchange**, then enter the account details.
   - **Next**: Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Tip: For more information on setting up your email, visit the Smartphone Resource Center at https://smartphones.verizonwireless.com, click on the Smartphone Support tab and select your phone.

Configuring additional email accounts

1. From the Home screen, select **Applications** ➔ **Email**.
2. Press the **Menu Key**, then touch **Accounts**.
3. Press the **Menu Key**, then touch **Add account**.
4. Touch the **Email address** field to enter your email address.
5. Touch the **Password** field or touch **Next** to enter your password.
6. Touch a setup option:
   - **Manual setup**: Configure the account manually. Touch **POP3**, **IMAP** or **Exchange**, then enter the account details.
   - **Next**: Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Composing and Sending Email

1. From the Home screen, select **Applications** ➔ **Email**.
2. Touch and hold on an account, then touch **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, press the **Menu Key** for these options:
   - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
   - **Send**: Send the message.
   - **Save as draft**: Close the message and save it in Drafts.
   - **Discard**: Close the message without saving.
   - **Add attachment**: Launch Gallery to select a picture to add to the message.
7. Touch **Send** to send the message.

Managing Emails

Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Press the **Menu Key**, then touch **Accounts**.
2. Touch an account, or touch the **Combined Inbox**.

Refreshing Your Email Account

Refresh your account to update your phone from the servers.

1. From the Home screen, select **Applications** ➔ **Email**.
2. Press the **Menu Key**, then touch **Refresh**.

Email Account Settings

Use Account settings to configure handling of email from your accounts.

Note: Account settings may vary, depending on your email provider.

1. From the Home screen, select **Applications** ➔ **Email**.
2. Touch an account to view it.
3. Press the **Menu Key**, then touch **Account settings**.

4. Touch fields to configure the account:

- **General settings**:
  - **Account name**: Enter a name for the account's display.
  - **Your name**: Enter your name, to be used on emails.
  - **Email check frequency**: Choose an interval for checking for email.
  - **Default account**: When enabled, this account is the default account for sending email from your phone.
- **Notification settings**:
  - **Email notifications**: Enable or disable alerts in the Status Bar.
  - **Select ringtone**: Choose a ringtone to use for new email alerts.
  - **Vibrate**: Enable or disable vibration with new email alerts.
- **Server settings**:
  - **Incoming settings**: Modify incoming email server settings.
  - **Outgoing settings**: Configure the SMTP server, Port and Security type, Username and Password settings.

Mobile IM

Use Mobile IM to send and receive instant messages via AIM, Windows Live, or Yahoo!.

Note: Create the Instant Messaging account on your PC before accessing it with your phone.

Important!: Mobile IM operates over the Verizon Wireless network only. If you use Mobile IM, any active Wi-Fi connection will be disconnected, and you will have to establish a connection before using Wi-Fi again.

1. From the Home screen, select **Applications** → **Mobile IM**.
2. Read the Terms and Conditions, then touch Accept to continue.
3. Read the notice about Wi-Fi Support, then touch Accept to continue.
4. Touch your IM provider, then follow the prompts to sign in. Use the provider's on-screen functions to send and receive messages.

YouTube

View and upload YouTube videos, right from your phone.

▶ From the Home screen, select **Applications** → **YouTube**.

Browser

Your phone is equipped with a full HTML Browser, which allows you to access the internet.

▶ From the Home screen, select **Browser**.

Navigating the web

Command Keys

- Press the **Back Key** to return to the previous page.
- To go forward, press the **Menu Key**, then touch **Forward**.

Touching and dragging

Scroll to navigate pages, and to reposition pages within the screen for viewing.

▶ Touch and drag your finger on the screen to scroll.

Entering text in a field

While browsing, enter text into search fields or forms.

▶ Touch a text field to display the virtual QWERTY keyboard to enter text.

Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

- Touch an item or hyperlink to select it.
- Touch and hold on a hyperlink for these options:
  - **Open**: Go to the linked page.
  - **Open in new window**: Open a new window to display the linked page.
  - **Bookmark link**: Add a bookmark to linked page (without loading it).
  - **Save link**: Save the linked page to Download history.
  - **Share link**: Send the link via Bluetooth, Email, Gmail, or Message.
  - **Copy link URL**: Save the link's URL to the clipboard

Entering a URL

Access a website quickly by entering the URL.

1. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.
2. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
3. Touch **Go** to load the page.

Using Browser Windows

You can have up to eight windows open at one time, switching between windows.

1. From the Home screen, select **Browser**.
2. To open a new window, press the **Menu Key**, then touch **New window**.
3. To switch to another open window, press the **Menu Key**, then touch **Windows**. Touch a window to display it.
4. To close a window, press the **Menu Key**, then touch **Windows**. Touch **Close** beside a window to close it.

Using Bookmarks

While browsing, bookmark a site to quickly access it in the future.

Creating a bookmark

Create a bookmark to a page, for later browsing.

1. From the Home screen, select **Browser**.
2. Browse to the desired website, then touch **Bookmarks** next to the **URL** field.
3. The new website is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.
4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save the bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload pages you've visited recently.

1. From the Home screen, select **Browser**.
2. Touch **Bookmarks** next to the **URL** field.
3. On the **Bookmarks** tab, use these options:
   - Touch a bookmark to load the page.

- Touch and hold on a bookmark for these options:
  - **Open**: Launch the bookmarked page.
  - **Open in new window**: Open the linked page in a new window.
  - **Edit bookmark**: Modify the URL.
  - **Add shortcut to Home**: Create a bookmark on the Home screen.
  - **Share link**: Send the link via Bluetooth, Email, Gmail, or Messaging.
  - **Copy link URL**: Save the link's URL to the clipboard.
  - **Delete bookmark**: Remove the bookmark.
  - **Set as homepage**: Assign the bookmarked link as the home page.
- Press the **Menu Key**, then touch **List view** to view bookmarks as a list.

4. On the **Most visited** tab, use these options:

- Touch a page to reload it.
- Touch the star next to a page to bookmark it.
- Touch and hold on a page for these options:
  - **Open**: Launch the web page.
  - **Open in new window**: Launch the web page in a new browser window.
  - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
  - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, or Messaging.
  - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
  - **Remove from history**: Remove the record of this page.
  - **Set as homepage**: Set this page as the default first page when opening the Browser.

5. On the **History** tab, use these options:

- Touch a page to load it.
- Touch the star next to a page to bookmark it.
- To clear the history, press the **Menu Key**, then touch **Clear history**.
- Touch and hold on a page for these options:
  - **Open**: Launch the web page.
  - **Open in new window**: Launch the web page in a new browser window.
  - **Add bookmark/Remove from bookmarks**: Bookmark the page, or remove the bookmark for this page.
  - **Share link**: Send the page's URL via Bluetooth, Email, Gmail, or Messaging.
  - **Copy link URL**: Copy the page's URL to the clipboard to paste in another location.
  - **Remove from history**: Remove the record of this page.
- **Set as homepage**: Set this page as the default first page when opening the Browser.

Copying Fields or Text

Copy information from a web page.

Copying text

1. From the Home screen, select **Browser**.
2. Browse to the desired website.
3. Press the **Menu Key**, then touch **More** → **Select text**.
4. On the web page, touch and drag over the text. When you lift your finger, the text is saved to the clipboard.
5. To paste the copied text, navigate to the desired field (or to another application), then touch and hold in a text field and touch **Paste**.

Copying a hyperlink or URL

1. From the Home screen, select **Browser**.
2. Browse to the desired website.
3. Touch and hold on a the hyperlink or URL, then press the **Menu Key** for these options:
   - **Bookmark link**: Create a bookmark to the page (without loading it).
   - **Save link**: Save the linked page to Download history.
   - **Share link**: Send the link via Bluetooth, Email, Gmail, or Message.
   - **Copy link URL**: Save the link's URL to the clipboard.

Browser Menu

While viewing a web page, press the **Menu Key** for these options:

- **New window**: Open a new browser window. The previous browser windows remain open in the background (use the Windows option to switch between windows).
- **Bookmarks**: Create and manage bookmarks for favorite sites.
- **Windows**: Switch between windows, or open a new window.
- **Refresh**: Update the current page's content from the server.
- **Forward**: Move forward to a previously-viewed page.
- **More**:
  - **Add bookmark**: Create a bookmark for the current page.
  - **Find on page**: Search for content on the current page.
  - **Select text**: Enable the text selector. Returns you to the web page, where you can drag your finger over text to select it and copy it to the clipboard.
  - **Page info**: View information about the current page, including the URL.
  - **Share page**: Send the current page's URL via Bluetooth, Email, Gmail, or Messaging.
  - **Downloads**: View a list of downloads. While viewing downloads, press the **Menu Key** for access to **Clear list** and **Cancel all downloads** commands.
  - **Settings**: Customize the Browser to your preferences (see Browser Settings).

Browser Settings

1. From the Home screen, select **Browser**.
2. Press the **Menu Key**, then touch **More → Settings**:
   - **Page content settings**
     - **Text size**: Choose a default size for web page content.
     - **Default zoom**: Choose a default zoom level for web pages.
     - **Open pages in overview**: When enabled, displays an overview of newly-opened pages.
     - **Text encoding**: Choose a default character set for web pages.
     - **Block pop-up windows**: When enabled, blocks pop-up windows.
     - **Load images**: When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.
     - **Auto-fit pages**: When enabled, the browser automatically sizes web pages to fit your phone's display.
     - **Landscape-only display**: When enabled, Browser displays all pages in the wider landscape orientation (rotate your phone counterclockwise to view pages in landscape mode).
     - **Enable JavaScript**: When enabled, Browser will automatically run JavaScript scripts on pages you visit.
     - **Enable plug-ins**: When enabled, Browser will automatically load and run plug-ins on pages you visit.
     - **Open in background**: When enabled, new windows open behind the current window.
     - **Set home page**: View and set the default first page that displays when you launch Browser.
   - **Privacy settings**
     - **Clear cache**: Delete content and databases stored on the phone.
     - **Clear history**: Delete the list of previously-visited pages.
     - **Accept cookies**: When enabled, allows Browser to save and read cookie information used by web pages.
     - **Clear all cookie data**: Delete cookie information saved to the phone.
     - **Remember form data**: When enabled, stores information you enter into forms to make future forms easier.
     - **Clear form data**: Deletes saved form information.
     - **Enable location**: When enabled, sites you visit can request access to your location.
     - **Clear location access**: Clear location access for all web sites.
   - **Security settings**
     - **Remember passwords**: When enabled, saves usernames and passwords for sites you visit, to make future visits easier.
     - **Clear passwords**: Clear all saved usernames and passwords.
     - **Show security warnings**: When enabled, Browser will warn you if there is a problem with a site's security.
   - **Advanced settings**
     - **Website settings**: View and manage settings for individual websites.
     - **Reset to default:** Clear all browser data and reset all settings to the factory defaults.

Voice Search

Voice Search offers voice-activated Google searches.

1. From the Home screen, select **Applications** ➔ **Voice Search**.
2. Voice Search uses your location to improve search results and offer other services. Touch **Agree** to allow location-based searches, or **Disagree** to disallow.
3. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see *"Location & security"* on page 103.

▶ From the Home screen, select **Applications** ➔ **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.

Scrolling

- Touch and drag on the screen to reposition the map in the display.

Touch and Touch and hold

- **Touch and hold** on an area of the map to display pop-up information about the location.
- **Touch** a pop-up for these options:
  - **Show on map**: Move the map's focus to this location.
  - **Get directions**: Get driving, public transport, or walking directions.
  - **Navigate**: Get turn-by-turn directions to this location.
  - **Street view**: Get a street-level view of this location (if available).
  - **What's nearby**: Display nearby points of interest.
  - **Search nearby**: Enter search criteria to find nearby points of interest.
  - **Report a problem**: Send an error report to Google Maps.

Maps Menu

1. From the Home screen, select **Applications** ➔ **Maps**.
2. While viewing a map, press the **Menu Key**:
   - **Search**: Enter text criteria to find locations or points of interest.
   - **Directions**: Get driving, public transport, or walking directions.
   - **Layers**: Choose map layers to display.
   - **My Location**: Indicate your location on the map (requires Google location services, see page 104).
   - **Join Latitude**: Use the Google Latitude service to share locations and status with other Google Latitude users.
   - **More**:
     - **Clear Map**: Reset the map after searching or following directions.
     - **Starred Items**: Synchronize your starred map items with Google maps.
     - **Labs**: Access experimental features.
     - **Help**: Display a searchable Google Mobile Help screen.
     - **Terms, Privacy & Notices**: Display legal information.
     - **About**: Displays information about Google Maps.

Music

Music plays music files from an installed memory card.

Playing Music

1. From the Home screen, select **Applications** ➔ **Music**. Music searches for an installed memory card, and displays songs stored on the card.
2. Select a sort option to display your music files, from **Artists**, **Albums**, **Songs**, or **Playlists**.
3. Browse through your available music to find songs.
4. Touch a song or playlist to begin playback.

5. During playback, use the sound and playlist controls:
   - **Now playing**: Display the current song title and information.
   - **Shuffle**: Touch to enable or disable shuffle mode. when enabled, songs play in random order. When disabled, songs play in the order they appear.
   - **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.

Creating a Playlist

1. From the Home screen, select **Applications** ➔ **Music**. Music searches for an installed memory card, and displays songs stored on the card.
2. Touch and hold on a song you'd like to add to a playlist, then choose **Add to playlist** from the pop-up menu to select an option:
   - **Current playlist**: Add the song to the current playlist (or the Now Playing list if no named playlist is currently playing).
   - **New**: Create a new named playlist and add the song to it.

Transferring Music to a Memory Card

3. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **USB Settings** ➔ **USB mode**, and select **Mass Storage**.
4. Attach your phone to the PC with a USB cable. Your phone recognizes the connection and displays **USB connected** in the Annunciator Line and Notifications Panel.
5. Pull down the Notification Panel, then touch **USB connected**. At the prompt, touch **Mount** to connect your phone to the PC to copy files.
6. At the prompt on the PC, select a transfer method:
   - **Open device to view files using Windows Explorer**. Drag and drop files from the PC to the memory card installed in your phone.
   - **Manage the device using Rhapsody**. For more information, see *"V CAST Music with Rhapsody"* on page 71.
7. Transfer music files to the memory card. When finished, you can disconnect the USB cable.

Setting a song as a ringtone

1. From the Home screen, select **Applications** ➔ **Music**. Music searches for an installed memory card, and displays songs stored on the card.
2. Touch and hold on a song, then touch **Use as phone ringtone**.

V CAST Music with Rhapsody

(Subscription, Wireless and PC Downloads)

V CAST Music with Rhapsody® is a digital music service that lets you listen to millions of songs from thousands of artists. Discover new and old favorites in an extensive music catalog. Download V CAST Music with Rhapsody to your PC to sync tracks, albums, and playlists to your new phone, while managing your existing PC music library, all in one place.

V CAST Music with Rhapsody is compatible with Windows 7, Vista or XP Service Pack 2, with the latest Windows updates and the latest Windows Media Player. MAC OS and Linux are not supported.

For complete system requirements, and to download V CAST Music with Rhapsody for free, visit www.verizonwireless.com/music.

▶ From the Home screen, select **Applications** ➔ **V CAST Music with Rhapsody**.

Note: The first time you launch VCAST Music with Rhapsody, you must agree to the Terms and Conditions. Per-song charges apply.

Downloading music to your phone

1. From the Home screen, select **Applications** ➔ **V CAST Music with Rhapsody**.
2. Browse for songs using the onscreen buttons and prompts.
3. Touch the song you want to download, and use these options:
   - Touch **Preview** to hear a 20 second preview of the song.
   - Touch **Buy** to buy the song. At the **CONFIRM PURCHASE** prompt, touch **Buy This Song** to accept the terms.
   - Touch **Download Now** to download the song now, or **Download Later** to download at a later time.

Tip: If you choose Download Later, you can continue choosing music and download all purchased tracks at one time by touching the Download button on the V CAST Music with Rhapsody home screen.

4. At the prompt, touch **Memory Card** to save the song and the download starts.

Download Music to your PC

When you purchase music with your wireless device, you can also download a copy to your PC using the V CAST with Rhapsody software.

1. On your PC, launch **V CAST Music with Rhapsody**.
2. Log in. After logging in, locate and download music files.
   - Downloading a PC copy:
     - Available tracks will pop up upon log-in.
     - Check the boxes of songs to download.
     - Select Download Tracks.
   - Purchasing music:
     - Browse the catalog and select tracks or albums to purchase.
     - Re-enter your password.
     - Confirm the purchase and the download will begin shortly.
   - Adding subscription music (requires V CAST Music with Rhapsody subscription):
     - Review subscription offerings.
     - Drag and drop tracks to My Library, or click the Add button next to the song.

Sync music from your PC to your phone

Use V CAST Music with Rhapsody on your PC to transfer music to your phone.

1. Plug a USB cable into your phone and connect it to a USB port on your PC.
2. Attach your phone to the PC with a USB cable. Your phone recognizes the connection and displays **USB connected** in the Annunciator Line and Notifications Panel.
3. Pull down the Notification Panel, then touch **USB connected**. At the prompt, touch **Mount** to connect your phone to the PC to copy files.
4. At the prompt on the PC, select **Manage the device using Rhapsody**.

Import Songs from an Audio CD

Use V CAST Music with Rhapsody on your PC to organize tracks from your CDs. You can then transfer these tracks to your phone.

1. On your PC, launch **V CAST Music with Rhapsody**.
2. Insert an audio CD into the CD-ROM drive.
3. The tracks on the CD display in the window. Select tracks for import by clicking the check boxes.
4. Click on the **Import CD** button to import your selections.

V CAST Tones

Preview, download and purchase ringtones and ringback tones.

Note: Airtime or download charges may apply for using V CAST Tones.

1. From the Home screen, select **Applications** ➔ **V CAST Tones**.
2. The first time you start V CAST Tones, you'll be prompted to subscribe to the service. Follow the prompts to install and use V CAST Tones.

V CAST Song ID

Use V CAST Song ID to find the title, artist and album for virtually any recorded music.

Note: Airtime or download charges may apply when using V CAST Song ID.

1. From the Home screen, select **Applications** ➔ **V CAST Song ID**.
2. Use the on-screen options to identify a song:
   - **ID New Song**: Hold your phone near a music source for 10 seconds to identify a song.
   - **My ID Center**: View songs you've identified.
   - **Settings**: Configure V CAST Song ID settings.
   - **Help**: View information about V CAST Song ID.

Camera

Use the built-in Camera to take pictures and record video.

▶ Press and hold the **Camera Key**.

– or –

From the Home screen, select **Applications** ➔ **Camera**.

Note: Pictures you take are stored on an installed memory card. Your phone will prompt you to install a card before using the camera.

Important!: Improper removal of the memory card may cause damage to information stored on the card. For more information, see *"Removing a Memory Card"* on page 12.

Taking Pictures

Important!: Do not take photos of people without their permission. Do not take photos in places where cameras are not allowed. Do not take photos in places where you may interfere with another person's privacy.

1. From the Home screen, press the **Camera Key**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject. To configure camera settings, see *"Camera Settings"* on page 75.
3. To take the picture, press the **Camera Key** or touch the **Shutter** button.
4. After taking a picture, touch the **Thumbnail** to view the picture. While viewing the picture, use these options:
   - **Double-tap** on the picture to Zoom in or Zoom out.
   - Touch **DELETE** to erase the picture.
   - Touch **SHARE** to send the picture via **Bluetooth**, **Gmail**, **Messaging**, or to **Picasa**.
   - Touch **SET AS** to set the picture as a contact icon, or as wallpaper.
   - Touch **DONE** to return to the Camera to take more pictures.

Camera Settings

Use Camera Settings to configure the camera to your preferences.

1. Press the **Menu Key**, then touch **Settings**.

   – or –

   Touch the **Settings** tab.

2. Configure these settings:

   - **Scene mode**: Choose a mode to match the conditions, for better image capture, from **Auto**, **Portrait**, **Landscape**, **Night**, **Beach**, **Snow**, **Sunset**, or **Fireworks**.
   - **White balance**: Choose a setting for the light source, to compensate for color differences from lighting conditions, from **Auto**, **Incandescent**, **Daylight**, **Fluorescent**, or **Cloudy**.
   - **Color effect**: Choose a color effect to apply to the picture, from **None**, **Mono**, **Sepia**, **Negative**, **Aqua**, or **Whiteboard**.
   - **Metering**: Choose how the camera measures light to determine exposure, from **Matrix**, **Center**, or **Spot**.
   - **Store location**: When enabled, current GPS location information is saved in the picture file.
   - **Picture size**: Select an image size, from **2048x1536**, **1600x1200**, **1024x768**, or **640x480**.
   - **Picture quality**: Set picture quality to **Super fine**, **Fine**, or **Normal**.
   - **Focus mode**: Set the type of focus to **Auto**, **Infinity**, or **Macro**.

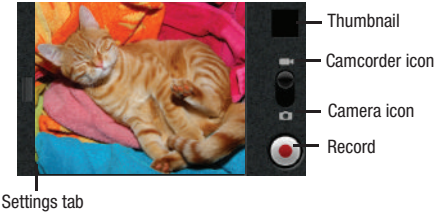
Camcorder

Use your phone's built-in Camcorder to record video.

- Press and hold the **Camera Key**, then touch the **Camcorder** icon.

  – or –

  From the Home screen, select **Applications** → **Camera** → **Camcorder**.



Note: Videos you take are stored on an installed memory card. Your phone will prompt you to install a card before using the camera.

Important!: Improper removal of the memory card may cause damage to information stored on the card. For more information, see *"Removing a Memory Card"* on page 12.

Capturing Video

Important!: Do not take videos of people without their permission. Do not take videos in places where cameras are not allowed. Do not take videos in places where you may interfere with another person's privacy.

1. Press and hold the **Camera Key**, then touch the **Camcorder** icon.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject. To configure camera settings, see *"Camcorder Settings"* on page 76.
3. To start recording, press the **Camera Key** or touch the **Record** button.
4. To stop recording, press the **Camera Key** or touch **Stop**.
5. After capturing a video, touch the thumbnail to view the video, and for these options:
   - **Double-tap** on the video to Zoom in or Zoom out.
   - Touch **DELETE** to erase the video.
   - Touch **SHARE** to send the video via **Bluetooth**, **Gmail**, **Messaging**, or to **YouTube**.
   - Touch **PLAY**to view the video.
   - Touch **DONE** to return to the Camcorder to record more videos.

Camcorder Settings

Use Camcorder Settings to configure the camera to your preferences.

1. Press the **Menu Key**, then touch **Settings**.

   – or –

   Touch the **Settings** tab.

2. Configure these settings:
   - **Video quality**: Set the quality for videos, to **Low (for MMS messages)** or **High (for SD card)**.
   - **Video duration**: Choose a default length for videos, from **60 seconds (for MMS)**, **10 minutes**, or **30 minutes**.
   - **White balance**: Choose a setting for the light source, to compensate for color differences from lighting conditions, from **Auto**, **Incandescent**, **Daylight**, **Fluorescent**, or **Cloudy**.
   - **Color effect**: Choose a color effect to apply to the video, from **None**, **Mono**, **Sepia**, **Negative**, **Aqua**, or **Whiteboard**.

V CAST Videos

V CAST Videos™ is your link to video on demand, to view or download video clips that contain breaking news, sports highlights, weather and more.

▶ From the Home screen, select **Applications** ➔ **V CAST Videos**.

Tip: Rotate the phone counterclockwise for optimal viewing.

Browsing, Selecting and Playing Video Clips

1. From the Home screen, select **Applications** ➔ **V CAST Videos**.
2. Touch the video category of your choice, then tap selections to access video titles.
3. Touch a video title to play the video clip.
4. Touch **Search** to enter criteria to search for videos.
5. Touch **My Videos** to launch Media Player.
6. Touch **Options** for these options:
   - **Manage Subscription**: Add or remove premium subscriptions.
   - **Alerts**: View Received Alerts sent to your device, or Configure Alerts to notify you of new or upcoming videos.
   - **My Videos**: Launch Media Player to view and manage videos downloaded and saved to your device.
   - **About**: View information about the V CAST Videos application.

Downloading a Video Clip

1. From the Home screen, select **Applications** ➔ **V CAST Videos**.
2. Browse the desired content providers and tap a provider.
3. Tap a video title that you want to view. At the prompt, touch **Yes** to download the video downloads.When the download is complete, the video automatically plays.

Gallery

Use Gallery to view, capture, and manage pictures and videos.

Note: You must have a memory card installed in your phone to take pictures or capture video. For more information, see *"Memory Card"* on page 11.

▶ From the Home screen, select **Applications** ➔ **Gallery**.

Viewing Pictures

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to view it full-screen.
3. While viewing a picture, press the **Menu Key** for these options:
   - **Share**: Share the selected picture via **Bluetooth**, **Gmail**, **Messaging**, or **Picasa**.
   - **Rotate**: Change the orientation of the picture.
   - **Delete**: Erase the picture.
   - **Crop**: Drag the edges of the crop tool to select an area of the picture, then touch **Save** to save just the selected area, removing the rest of the picture.
   - **Set as**: Assign the picture as a Contact icon, or as Wallpaper.
   - **More**:
     - **Details**: Display information about the picture.
     - **Show on Maps**: Display the picture on maps.
     - **Slideshow**: Display pictures in the current category as a slideshow.
     - **Settings**: Configure Gallery settings.

Viewing Videos

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a video to play it full-screen.
3. While browsing videos, press the **Menu Key** for these options:
   - **Capture picture**: Take a new picture.
   - **Capture video**: Record a new video.
   - **Shop**: Launch V CAST Videos to purchase videos.
   - **Multiselect**: Choose multiple videos for sharing, or for deletion.
   - **Settings**: Configure Gallery settings. For more information, see *"Gallery Settings"* on page 79.

Gallery Settings

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Press the **Menu Key**, then touch **Settings**:
   - **General settings**
     - **Display size**: Select the size of pictures and videos.
     - **Sort order**: Select the order of display.
     - **Confirm deletions**: Enable or disable prompts for deletions.
   - **Slideshow settings**
     - **Slideshow interval**: Select the length of time each slide displays.
     - **Slideshow transition**: Choose an effect for moving from slide to slide.
     - **Repeat slideshow**: Enable or disable repeating the slideshow.
     - **Shuffle slides**: Enable or disable random order.

Sharing pictures and video

Share pictures and videos via Bluetooth, Email, Gmail, Multimedia message, YouTube or Picasa.

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture or video to select it.
3. Press the **Menu Key**, then touch **Multiselect**. Touch thumbnails to mark them, then touch **Share**.
4. Touch **Bluetooth**, **Email**, **Gmail**, **Messaging**, or **YouTube**, then follow the prompts.

Setting a Picture as a Contact Icon

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch the screen, then touch **Set as**.
4. Touch **Contact icon**, then select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. From the Home screen, select **Applications** ➔ **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch the screen, then touch **Set as**.
4. Touch **Wallpaper**.
5. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

DivX VOD

Your phone is a DivX® Certified device, able to play DivX protected videos up to 320x240. Use DivX VOD™ to purchase and download DivX videos from online partners.

Note: To use the DivX video features on your phone, you'll need to register your phone with DivX. The first time you launch DivX VOD, the registration code displays and you're prompted to register at the DivX website: http://vod.divx.com.

▶ From the Home screen, select **Applications** ➔ **DivX VOD**.

Registering your Phone

To use the DivX video features on your phone, you'll need to register your phone with DivX.

1. From the Home screen, select **Applications** ➔ **DivX VOD**.
2. The first time you launch DivX VOD, the registration code displays. Follow the directions to register.

Section 10: Connections

Your phone includes features to connect to the internet and to other devices, via Wi-Fi, Bluetooth, VPN and Dial Up Networking.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your phone's Wi-Fi feature to:

- Access the internet for browsing, or to send or receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots), or Secured (requiring you to provide login credentials). Your phone supports the 802.11 b/g/n Wi-Fi protocol.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi settings"* on page 93.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

Turning Wi-Fi On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections, then displays them on screen.

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. Touch Add Wi-Fi network, then enter these fields:
   - **Network SSID**: Enter the name of the Wi-Fi Wireless Access Point.
   - **Security**: Select the type of security used by the WAP.
   - **Password** or **Key**: If the WAP is secured, enter the password or hex key.

3G Mobile Hotspot

Use 3G Mobile Hotspot to share your phone's mobile internet connection with a PC or other device through Wi-Fi, using your phone as the mobile hotspot.

Note: 3G Mobile Hotspot consumes battery power and uses data service.

1. From the Home screen, select **Applications** → **3G Mobile Hotspot**.
2. Touch **3G Mobile Hotspot** to turn the service on. At the prompt, touch **OK** to continue.
3. Your phone establishes a connection to the network for the mobile hotspot service.
4. Activate Wi-Fi on your PC or other device, then follow the prompts on your phone and device to connect.
5. When you are finished using the Mobile hotspot, touch **3G Mobile Hotspot** to turn the service off.

Configuring 3G Mobile Hotspot Settings

Configure your phone's 3G Mobile Hotspot settings. For more information, see *"Mobile hotspot settings"* on page 96.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 95.

Turning Bluetooth On or Off

Turning Bluetooth On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth on.

Turning Bluetooth Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks**.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Activate the target device's discoverable mode.
4. Touch **Bluetooth settings** ➔ **Scan devices**.
5. From the list of scanned devices, touch the target device.
6. At the prompt, enter the passkey for the target device and touch **OK**. Your phone is now paired with the target device, and ready to transfer information via Bluetooth.

VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your phone's VPN settings. For more information, see *"VPN settings"* on page 97.

Adding a VPN

1. From the Home screen, press the **Menu Key**, then touch **Settings → Wireless & networks → VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Dial Up Networking

You can use Dial Up Networking to allow your phone to act as a modem to access the internet with other devices.

Enabling Dial Up Networking

1. From the Home screen, press the **Menu Key**, then touch **Settings → Wireless & networks.**
2. Touch **Dial up networking** to enable or disable dial-up networking. When enabled, a check appears in the checkbox.

3G Mobile Hotspot

Use 3G Mobile Hotspot to share your phone's mobile internet connection with a PC through Wi-Fi, using your phone as the mobile hotspot. For more information, see *"3G Mobile Hotspot"* on page 82.

- From the Home screen, select **Applications** ➔ **3G Mobile Hotspot**.

Alarm Clock

Set alarms to go off once, or to repeat on specified days. You can toggle alarms on or off without canceling the alarm.

Customizing Alarm Clock

Hiding or showing the clock

Control whether the analog clock appears on the Alarm Clock screen.

- While viewing alarms, press the **Menu Key**, then touch **Hide clock** or **Show clock**.

Configuring Alarm Clock settings

1. From the Home screen, select **Applications** ➔ **Alarm Clock**.
2. Press the **Menu Key**, then touch **Settings** for these settings:
   - **Alarm in silent mode**: Enable or disable alarm alerts when the phone is in Silent Mode.
   - **Alarm volume**: Set the volume level for alarm alerts.
   - **Snooze duration**: Choose an interval for delaying the alarm when the alert plays.
   - **Side button behavior**: Set the behavior of the side buttons when pressed during an alarm.

Setting Alarms

1. From the Home screen, select **Applications** ➔ **Alarm Clock**.
2. To add an alarm, press the **Menu Key**, then touch **Add alarm**.
3. Touch an alarm to configure these settings:
   - **Time**: Touch to set the alarm time, then touch **Set**.
   - **Ringtone**: Touch to select a ringtone to play with the alarm alert.
   - **Vibrate**: Touch to enable or disable vibration with the alarm alert.
   - **Repeat**: Choose days for the alarm to repeat.
   - **Label**: Enter a text title for the alarm.
4. When all settings are configured, touch **Done** to save the alarm and return to the Alarm Clock screen.
5. On the Alarm Clock screen, touch the alarm's check box to turn the alarm on. If an alarm is turned off (no check appears in the check box) the alarm is set but will not cause an alert.

Browser

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see *"Browser"* on page 62.

- From the Home screen, select **Applications** ➔ **Browser**.

Calculator

Use your phone's Calculator to perform mathematical calculations.

1. From the Home screen, select **Applications** ➔ **Calculator**.
2. Touch numbers and operators to enter an equation.
3. Touch **CLEAR** to clear the calculation.
4. For advanced calculation options, press the **Menu Key**, then touch **Advanced Panel**.
   To return to the Basic Panel, press the **Menu Key**, then touch **Basic Panel**.

Calendar

Record events and appointments to manage your schedule.

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Touch a tab to choose a calendar view:
   - **Month**: Display the current month, and scroll to other months.
   - **Week**: Display the current week, and scroll to other weeks.
   - **Day**: Display today's schedule, and scroll to other days.
   - **List**: Display events in a chronological list.
3. Press the **Menu Key** for these options:
   - **Create**: Add a new event to the calendar.
   - **Go to**: Display a specific date.
   - **Today**: Display today's events.
   - **Delete**: Delete an event.
   - **Settings**: Customize the calendar.

Customizing the Calendar

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Press the **Menu Key**, then touch **Settings** to configure these settings:
   - **Calendars**: View all your calendars.
   - **Calendar sync**: Synchronize calendars from multiple accounts.
   - **Default view**: Set the default view when Calendar opens.
   - **Day views**: Choose a view for a day's events.
   - **First day of week**: Choose a day to begin each week.
   - **Hide declined events**: Enable or disable display of events.

Sending Events via Bluetooth

Send events as vCalendar files to other Bluetooth devices.

1. From the Home screen, select **Applications** ➔ **Calendar**.
2. Touch an event to display its details.
3. Press the **Menu Key**, then touch **Send via**.
4. Follow the prompts to select a paired device, or pair with a new device. For more information, see *"Pairing with a Bluetooth Device"* on page 83.

Camera

Take pictures and record video with your phone's built in Camera. For more information, see *"Camera"* on page 74.

- From the Home screen, select **Applications** ➔ **Camera**.

  – or –

  Press the **Camera Key**.

City ID

Subscribe to City ID to display city and state for incoming calls, and to look up city and state information for phone numbers.

- From the Home screen, select **Applications** ➔ **City ID**.

DivX VOD

Your phone is a DivX Certified® device, able to play DivX videos up to 320x240. Use DivX VOD to purchase and download DivX videos from online partners. For more information, see *"DivX VOD"* on page 80.

- From the Home screen, select **Applications** ➔ **DivX VOD**.

Email

Send and receive email using popular email services. For more information, see *"Email"* on page 59.

- From the Home screen, select **Applications** ➔ **Email**.

Gallery

Use Gallery to view, capture, and manage pictures and videos. For more information, For more information, refer to *"Gallery"* on page 78.

- From the Home screen, select **Applications** ➔ **Gallery**.

Gmail

Send and receive emails via Gmail, Google's web-based email. For more information, see *"Gmail"* on page 57.

- From the Home screen, select **Applications** ➔ **Gmail**.

Maps

Use Google Maps to find your current location, search for destinations, and get detailed directions. For more information, see *"Maps"* on page 67.

- From the Home screen, select **Applications** ➔ **Maps**.

Market

Browse for new Android applications, games or downloads for your phone.

You'll need to have a Google account set up on your phone to download a new application.

1. From the Home screen, select **Applications** ➔ **Market**.
2. The first time you open Market, read the Terms of Service, then touch **Accept** to continue.
3. Browse for items to install or upgrade downloads:
   - **Apps**: New applications.
   - **Games**: New games.
   - **Downloads**: Display requested downloads, plus available updates to applications installed on your phone.

Mobile IM

Send and receive instant messages via AIM, Windows Live, or Yahoo!. For more information, see *"Mobile IM"* on page 61.

- From the Home screen, select **Applications** ➔ **Mobile IM**.

Music

Play music files from an installed memory card. For more information, see *"Music"* on page 69.

- From the Home screen, select **Applications** ➔ **Music**.

Scrabble

Play the popular word game, right on your phone.

- From the Home screen, select **Applications** ➔ **Scrabble**.

Settings

Configure your phone to your preferences. For more information, see *"Settings"* on page 93.

- From the Home screen, select **Applications** ➔ **Settings**.

Skype Mobile

Use Skype mobile™ on your phone for unlimited Skype-to-Skype calls and IM to anywhere in the world.

Note: For more information, please visit www.verizonwireless.com/skype.

- From the Home screen, select **Applications** ➔ **Skype mobile**.

Talk

Use Google Talk to chat with other Google Talk users. For more information, see *"Google Talk"* on page 58.

- From the Home screen, select **Applications** ➔ **Talk**.

Tetris

Play the popular arcade game on your phone.

- From the Home screen, select **Applications** ➔ **Tetris**.

V CAST Music with Rhapsody

(Subscription, Wireless and PC Downloads)

Browse and download songs from the V CAST with Rhapsody catalog. For more information, see *"V CAST Music with Rhapsody"* on page 71.

- From the Home screen, select **Applications** ➔ **V CAST Music with Rhapsody**.

V CAST Song ID

Find the title, artist and album for virtually any recorded music. For more information, see *"V CAST Song ID"* on page 73.

- From the Home screen, select **Applications** ➔ **V CAST Song ID**.

V CAST Tones

Preview, download and purchase ringtones and ringback tones. For more information, For more information, refer to *"V CAST Tones"* on page 73.

Note: Airtime or download charges may apply for using V CAST Tones.

- From the Home screen, select **Applications** ➔ **V CAST Tones**.

V CAST Videos

Browse and download videos from the V CAST library. For more information, see *"V CAST Videos"* on page 77.

- From the Home screen, select **Applications** ➔ **V CAST Videos**.

Voice Dialer

Speak commands to make calls, and to launch other phone features. For more information, see *"Voice Dialer"* on page 34.

- From the Home screen, touch **Applications** ➔ **Voice Dialer**.

Voice Search

Perform Google searches by speaking your search terms. For more information, see *"Voice Search"* on page 67.

- From the Home screen, touch **Applications** ➔ **Voice Search**.

Voicemail

All unanswered calls to your phone are sent to voice mail, even if your phone is turned off, so you'll want to set up your voice mail and personal greeting as soon as you activate your phone. For more information, see *"Voicemail"* on page 35.

- From the Home screen, touch **Voicemail**.

VZ Navigator

Use VZ Navigator® to find, share and navigate to millions of locations, avoid traffic and drive or walk with ease.

Note: VZ Navigator requires service activation. Contact Verizon Wireless for more information.

- From the Home screen, touch **Applications** ➔ **VZ Navigator**.

The first time you start VZ Navigator, you'll be prompted to subscribe to the service. Download and install the application, and read and agree to the terms of service.

YouTube

View and upload YouTube videos, right from your phone.

- From the Home screen, select **Applications** ➔ **YouTube**.

Section 12: Settings

This section explains Settings for customizing your phone.

Accessing Settings

- From the Home screen, press the **Menu Key**, then touch **Settings**.

  – or –

  From the Home screen, select **Applications** → **Settings**.

Wireless & networks

Control your phone's wireless connections.

Wi-Fi

Your phone supports Wi-Fi 802.11 b/g/n.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.

Wi-Fi settings

Set up and manage wireless access points.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** → **Wi-Fi settings**.
2. Touch settings to configure:
   - **Wi-Fi**: Touch to turn Wi-Fi On or Off. When on, a check appears in the checkbox.
   - **Network notification**: When enabled, notifies you when an open network is available.
   - **Add Wi-Fi network**: Manually add a new Wi-Fi connection.

Advanced Wi-Fi settings

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Wireless & networks** → **Wi-Fi settings**.
2. Press the **Menu Key**, then touch **Advanced**.
   - **Wi-Fi sleep policy**: Specify when to switch from Wi-Fi to mobile data for data communications. Touch to choose from **When screen turns off**, **Never when plugged in**, or **Never**.
   - **MAC address**: View your phone's MAC address, needed for connecting to some secured networks.
   - **Proxy**: Touch to enter a proxy.
   - **Port**: Touch to enter a port number.
   - **IP Settings**: Configure your phone's IP settings, including **Use static IP**, **IP address**, **Gateway**, **Netmask**, **DNS 1**, and **DNS 2**.

Bluetooth

Your phone supports Bluetooth® 2.1 + EDR.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset**: HSP v1.1 profile supports use of a compatible Bluetooth headset for mono voice.
- **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities.
- **Stereo**: A2DP v1.0 and AVRCP v1.0 profiles support delivery of stereo audio to a compatible Bluetooth device.
- **Phonebook Access**: PBAP v1.0 profile allows sharing of your name card and phonebook entries with a compatible Bluetooth device.
- **Object Push**: OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.0) and calendar events (vCalendar) between devices.

Note: This phone does not support all Bluetooth profiles. For vehicle/accessory compatibility, contact Verizon Wireless.

Turning Bluetooth On or Off

Turn your device's Bluetooth service On or Off. For more information about using Bluetooth to exchange information with other Bluetooth devices, see see *"Bluetooth"* on page 83.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks**.
2. Touch **Bluetooth** to turn Bluetooth On or Off. When On, a check appears in the checkbox.

Bluetooth settings

Use Bluetooth settings to manage Bluetooth connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access some settings.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Bluetooth settings**.
2. Touch a setting to configure Bluetooth:
   - **Bluetooth**: Touch to turn Bluetooth On or Off. When On, a check appears in the checkbox.
   - **Device Name**: Your device's default name appears on screen. Touch to change the device name, then touch OK.
   - **Discoverable**: Control your phone's visibility to other devices' Bluetooth searches. Touch to turn On or Off.
   - **Scan devices**: Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see see *"Pairing with a Bluetooth Device"* on page 83.

Mobile hotspot settings

Use Mobile Hotspot settings to share your phone's 3G internet connection with a PC or other device through Wi-Fi. After activating Mobile hotspot, you can connect to it using your PC or other device's Wi-Fi control. For more information, see *"3G Mobile Hotspot"* on page 82.

Note: Using your phone as a mobile hotspot consumes battery power and increases your data usage. Roaming while using your phone as a mobile hotspot will incur extra data charges.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Mobile hotspot settings**.
2. Press the **Menu Key**, then touch **Settings** to configure:
   - **3G Mobile Hotspot**: Turn Mobile hotspot On or Off.
   - **Name**: View and edit your phone's name, used for Mobile hotspot.
   - **Hide my device**: When enabled, other devices cannot detect your phone as a hotspot.
   - **Password**: When enabled, requires a password to access your phone as a hotspot. Tap to enable, and set a password.

Turning Mobile hotspot On or Off

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Mobile hotspot settings**.
2. Touch **3G Mobile hotspot** to turn Mobile hotspot On or Off. When on, a check appears in the checkbox.
3. The first time you access Mobile hotspot settings, follow the on-screen prompts to connect your PC to your phone.

Airplane mode

When airplane mode is activated, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks**.
2. Touch **Airplane mode** to activate or deactivate airplane mode. When activated, a check appears in the checkbox.

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see see *"VPN"* on page 84.

Add VPN

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
   - **Add PPTP VPN**: Set up a connection to a VPN with Point-to-Point tunneling protocol.
   - **Add L2TP VPN**: Set up a connection to a VPN with Layer 2 tunneling protocol.
   - **Add L2TP/IPSec PSK VPN**: Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
   - **Add L2TP/IPSec CRT VPN**: Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile networks

Set options for network selection and data services while roaming.

Important!: Depending on your service plan, changes you make to Mobile Networks settings may incur extra charges. Consult Verizon Wireless for more information.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks** ➔ **Mobile networks**.
2. Set these options:
   - **Data roaming**: Enable or disable connections to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 11.
   - **System select**: Change the roaming mode for CDMA networks.
     - **Home Only**: Restrict your phone to your home network's coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.
     - **Automatic A/Automatic B**: Allow your phone to automatically acquire service based on default settings, using the Verizon Wireless network and the networks of roaming partners. Consult Verizon Wireless for more information.

Dial up networking

Connect to data services using dial-up networking.

Note: You cannot use other data services while Dial Up Networking is enabled.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Wireless & networks.**
2. Touch **Dial up networking** to enable or disable dial-up networking. When enabled, a check appears in the checkbox.

Call settings

Voicemail

Voicemail service

By default, calls you do not answer are sent to your carrier's voicemail system. If you subscribe to other voicemail services, you can set the default service.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **Voicemail service**.

Voicemail

By default, the speed dial number for calling your carrier's voicemail is *86. You can modify this to set a special speed dial number for accessing your voicemail.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **Voicemail**.
2. Use the touch keypad to modify the default voicemail number.

Other call settings

Ignore with message

Create messages to use when rejecting incoming calls. For more information, see *"Rejecting a call with a message"* on page 32.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Call settings** ➔ **Ignore with message**.
2. Touch **Create**.
3. Enter text for the message, then touch **Save**.

Auto retry

Automatically re-attempt a call when your phone receives a network busy signal.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Call settings**
2. Touch **Auto retry** to enable or disable automatic call retry. When enabled, a check mark appears in the check box.

DTMF Tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Call settings** ➔ **DTMF tones**.
2. Touch **Normal** or **Long**.

TTY Mode

Before using your phone with a TTY device, you'll need to enable the TTY feature.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Call settings** ➔ **TTY mode**.
2. Touch **TTY Off**, **TTY Full**, **TTY HCO**, or **TTY VCO**.

Voice privacy

Enable or disable enhanced privacy mode.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Call settings**.
2. Touch **Voice privacy** to enable or disable voice privacy. When enabled, a check mark appears in the check box.

Sound & display

Sound settings

Phone vibrate

Set your phone to vibrate for incoming calls.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound & display**.
2. Touch **Phone vibrate** to enable or disable vibrate mode. When enabled, a check mark appears in the check box.

Silent mode

Silence all sounds your phone makes except media and alarms.

1. From the Home screen, press the Menu Key, then touch **Settings** ➔ **Sound & display**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

Ringer volume

Set volume for incoming calls and notifications.

Note: You can also set **Ringer volume** from the Home screen by pressing the **Volume Key**.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Ringer volume**.
2. Touch and drag the slider to set **Incoming call volume**.
3. Touch and drag the slider to set **Notification volume**.
4. Touch **OK** to save your setting.

Phone ringtone

Set a default ringtone for all incoming calls.

Tip: You can also set songs as ringtones. For more information, see *"Setting a song as a ringtone"* on page 70.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Phone ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notification ringtone

Set a default ringtone for notifications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Audible touch tones

Play tones for touches on the Phone dial pad.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display**.
2. Touch **Audible touch tones** to enable or disable tones. When enabled, a check mark appears in the check box.

Audible selection

Play tones when touching the screen for selections (other than the Phone dial pad).

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display**.
2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.

Haptic feedback

Set the phone to vibrate to indicate screen touches.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound & display**.
2. Touch **Haptic feedback** to enable or disable vibration. When enabled, a check mark appears in the check box.

SD card notifications

Play sounds for memory card-related notifications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound & display**.
2. Touch **SD card notifications** to enable or disable sounds. When enabled, a check mark appears in the check box.

Media volume

Set the default volume for playback of music and videos.

Note: You can set **Media volume** during playback by pressing the **Volume Key**.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound & display** ➔ **Media volume**.
2. Touch and drag the slider to set **Media volume**, then touch **OK** to save the setting.

Display settings

Orientation

Enable or disable automatic screen rotation of the screen when you turn the phone counter-clockwise.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound & display**.
2. Touch **Orientation** to enable or disable automatic screen orientation. When enabled, a check mark appears in the check box.

Animation

Set the level of animations for transitions from one window to another.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Sound & display** ➔ **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.

Auto brightness

Allow the phone to set the screen's brightness level automatically.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display**.
2. Touch **Auto brightness** to enable or disable automatic brightness setting. When enabled, a check mark appears in the check box.

Brightness

Set the default screen brightness.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Brightness**.
2. Touch and drag the slider to set the brightness.
3. Touch **OK** to save the setting.

Screen timeout

Set the length of time after the last key press or screen touch that the screen automatically locks.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Screen timeout**.
2. Touch a setting to select it.

Unlock settings

Choose how to wake up the screen before unlocking.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Sound & display** → **Unlock settings**.
2. Touch **Power key only** or **Any key**.

Location & security

My Location

E911 (not user-configurable)

E911 service is standard on all mobile phones, to allow sharing of your GPS location with emergency personnel when you make a call to emergency services (such as 911).

- From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security** ➔ **E911**.

VZW location services

Enable or disable location service from Verizon Wireless.

Note: VZW location services must be enabled to use some applications.

Important!: By selecting **VZW location services**, you are enabling Verizon Wireless and third-party authenticated and validated location-enabled services access to certain location information available through this network or device.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **VZW location services** to enable or disable Verizon Wireless location services. When enabled, a check mark appears in the check box.

Standalone GPS services

Enable or disable location information from Standalone GPS services.

Note: Standalone location services must be enabled to use some applications.

Important!: By selecting **Standalone GPS services**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Standalone GPS services** to enable or disable Standalone location services. When enabled, a check mark appears in the check box.

Google location services

Enable or disable location services from Google location services.

Note: Google location services must be enabled to use some applications.

Important!: By selecting **Google location services**, you are allowing access to all location information by Google through web access or any software or peripheral components you choose to install, download, add or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Google location services** to enable or disable Standalone location services. When enabled, a check mark appears in the check box.

Screen unlock pattern

To protect your phone from unauthorized use, create and use a personal screen unlock pattern to unlock the phone.

Set unlock pattern/Change unlock pattern

Create or change a personal screen unlock pattern.

Note: After creating your personal screen unlock pattern, you must enable it in the **Require pattern** setting to have the phone require it for unlocking.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Set unlock pattern** or **Change unlock pattern**.
3. Follow the prompts to create or change your personal screen unlock pattern.

Require pattern

Enable or disable the use of your personal screen unlock pattern to unlock the phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Require pattern** to enable or disable the use of your personal unlock pattern. When enabled, a check mark appears in the check box.

Use visible pattern

When enabled, your screen pattern will display on screen as you draw it.

1. From the Home screen, press the Menu Key, then touch **Settings** → **Location & security**.
2. Touch **Use visible pattern** to enable or disable visible feedback. When enabled, a check mark appears in the check box.

Use tactile feedback

When enabled, the phone will provide vibration feedback for your screen unlock pattern as you draw it on screen.

1. From the Home screen, press the Menu Key, then touch **Settings** → **Location & security**.
2. Touch **Use tactile feedback** to enable or disable tactile feedback. When enabled, a check mark appears in the check box.

Passwords

Visible passwords

When enabled, password characters will display briefly as you touch them while entering passwords.

1. From the Home screen, press the Menu Key, then touch **Settings** → **Location & security**.
2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

Credential storage

Use secure credentials

You can store credentials on an installed memory card, then use the Credential storage settings to allow applications to access the secure certificates and other credentials.

Note: You must have installed encrypted certificates to use this feature.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Use secure credentials** to enable or disable. When enabled, a check mark appears in the check box.

Install from SD card

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Install from SD card**, then choose a certificate and follow the prompts to install.

Set password

Set or change a password to protect credential storage.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Location & security**.
2. Touch **Clear storage** to clear stored credentials and reset the password.

Applications

You can create applications using the Android SDK and install them on your phone. Applications settings allow you to configure your phone for development.

Warning!: Android Dev Phone 1 devices are not intended for non-developer end-users. Because the device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Unknown sources

When enabled, allows installation of application from sources other than the Android Market.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications**.
2. Touch **Unknown sources** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage applications

Manage and uninstall applications.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Manage applications**.
2. Touch an application to view and update information about the application, including memory usage, default settings and permissions.
3. Press the **Back Key** to return to Applications settings.

Running services

View and control services running on your phone.

Warning!: Stopping services may have undesirable consequences on the application or Android System.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Running services**.
2. Sweep your finger on the screen to scroll the list.
3. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.

Note: Not all services can be stopped.

Development

Set options for application development.

USB debugging

Allow debugging when the phone is attached to a PC by a USB cable.

Note: This setting is used for development purposes only.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Development**.
2. Touch **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Stay awake

When enabled, the screen will not go to sleep (lock) while connected to a PC via USB cable.

Note: This setting is used for development purposes only.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Development**.
2. Touch **Stay awake** to enable or disable the setting. When enabled, a check mark appears in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes only.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Applications** ➔ **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the check box.

Accounts & sync

Set up and manage your accounts, including your Google and Backup Assistant accounts.

General sync settings

Background data

When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important!: Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Background data** to enable or disable the setting. When enabled, a check mark appears in the check box.

Auto-sync

When enabled, all accounts sync data at any time, automatically.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.

Backup Assistant

Backup Assistant backs up your contacts to a secure web site. You can configure Backup Assistant for automatic backups, or choose a time for synchronization. For more information about Backup Assistant, see *"Backup Assistant"* on page 50.

Note: You can also launch Backup Assistant from the Home screen: touch **Contacts**, then press the **Menu Key** to select **Backup**.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync** ➔ **Backup Assistant**.
2. Configure these settings:
   - Touch **Auto-Sync** to enable or disable automatic synchronization of contacts with Backup Assistant.
   - Touch **Sync Time** to set a time for synchronization of contacts, if Auto-Sync is disabled.
3. To back up contacts now, touch **Backup Now**.

Manage accounts

Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Under **Manage accounts**, touch the account to modify its settings.
   For more information about managing Google account, see see *"Managing a Google account"* on page 37.
   For more information about managing a Corporate Exchange account, see *"Managing a Corporate Exchange account"* on page 38.

Adding an account

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.
   For more information about adding a Google account, see *"Adding a Google account"* on page 36.
   For more information about adding a Corporate Exchange account, see *"Adding a Corporate account"* on page 37.

Removing an account

Important!: Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accounts & sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove** at the prompt to remove the account and delete all its messages, contacts and other data.

Privacy

Use Privacy settings to manage use of personal information by your phone.

Location

Use my location

When enabled, your phone's GPS location information will be used for Google search results and other Google services.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Privacy**.
2. Touch **Use my location** to enable or disable the setting. When enabled, a check mark appears in the check box.

Personal Data

Factory data reset

Erase all data on your phone and reset all settings to their factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an installed memory card, such as music or photos.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

SD card & phone storage

Manage the use of your phone's internal memory, and memory on an installed memory card.

External SD card

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **SD card & phone storage**.
2. View **Total space** and **Available space** memory usage on an installed memory card (not user-configurable).
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 12.
4. Touch **Format SD card** to erase the memory card and prepare it for use with your phone. For more information, see *"Formatting a Memory Card"* on page 12.

Internal phone storage

View memory usage for your phone's internal memory.

Note: This setting cannot be configured.

▶ From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **SD card & phone storage**.

USB Settings

Configure how your phone is identified when you attach it to a PC with a USB cable.

USB Mode

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **USB settings**.
2. Touch **USB mode** to choose a setting:
   - **Mass Storage**: Your phone is treated as a mass storage device for transferring information.
   - **Media Sync**: When connected, your phone will sync with media applications on your PC.

Search

Use Search settings to configure Google searches, and define searchable areas for the Quick Search.

Web search

Configure Google search settings.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Search**.
2. Touch **Google search settings** to configure searches:
   - **Show web suggestions**: Enable or disable display of suggestions from Google as you enter search terms.
   - **Search history**: Enable or disable display of personalized search history for your Google account.
   - **Manage search history**: Log in to Web History with your Google account credentials to manage your Google search history.

Quick Search Box

Configure settings for phone content searches using Quick Search.

Tip: Launch **Quick Search Box** from any screen by pressing and holding the **Menu Key**.

Searchable items

Choose phone features to be included in Quick Search searches.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Search** → **Searchable items**.
2. Touch items to enable or disable searching. When enabled, a check mark appears in the check box.
   - **Browser**: Bookmarks and web history.
   - **Contacts**: Names of contacts.
   - **Apps**: Names of applications.
   - **YouTube**: YouTube videos.
   - **Voicemail**: Visual Voice Mails received in your voice mail box.
   - **Music**: Artists, albums and track names from your music library.
3. Press the **Back Key** to return to Search settings.

Clear search shortcuts

When you search and choose a search result, the search result is saved as a search shortcut. This setting clears recent search shortcuts.

1. From the Home screen, press the **Menu Key**, then touch **Settings** → **Search**.
2. Touch **Clear search shortcuts**.

Language & keyboard

Select locale

Set the language used by your phone's screens.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Select locale**.
2. Touch a language/locale from the list.

Text settings

Configure text entry options to your preferences.

Swype

Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the keyboard. For more information, see *"Entering Text Using Swype"* on page 52.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Swype**.
2. Touch items to configure the setting. Settings include:
   - **Preferences**:
     - **Language**: Choose US English or Español.
     - **Auto-spacing**: When enabled, inserts spaces automatically when you pause entering text.
     - **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
     - **Word Prediction**: When enabled, suggests possible matching words as you enter text.
     - **Enable Tip Indicator**: When enabled, displays a flashing indicator for quick help as you enter text.
     - **Audio Feedback**: When enabled, plays sounds as you enter text.
     - **Vibrate on keypress**: When enabled, the phone vibrates on text entry.
   - **Operation**:
     - **Display Trace**: Choose how long the trace of your Swype entries display.
     - **Word Choice Window**: Select how often word predictions display during text entry.
     - **Speed vs. Accuracy**: Send the sensitivity of Swype text recognition.
     - **Auto-select word after**: Set the length of time the system waits before automatically selecting the first predicted word.
   - **Help**:
     - **Swype Help**: View the Swype User Manual.
     - **Tutorial**: View a tutorial for learning how to Swype.
   - **About**:
     - **Version**: View the current Swype software version.

Android keyboard

Configure Android keyboard settings. For more information about entering text with the Android keyboard, see *"Entering Text Using the Android Keyboard"* on page 53.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Language & keyboard** ➔ **Android keyboard**.
2. Touch items to enable or disable the setting. When enabled, a check mark appears in the check box. Settings include:
   - **Vibrate on keypress**: When enabled, the phone vibrates for each key press.
   - **Sound on keypress**: When enabled, a sound plays for each key press.
   - **Auto-capitalization**: When enabled, automatically capitalizes the first letter of the first word in a sentence.
   - **Voice input**: Voice Input is an experimental feature using Google's networked speed recognition. When enabled, Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
   - **Word suggestion settings**:
     - **Quick fixes**: When enabled, corrects common mistakes.
     - **Show suggestions**: When enabled, displays suggested words while entering text.
     - **Auto-complete**: When enabled, pressing the spacebar or a punctuation character automatically inserts the highlighted suggested word.

User dictionary

When you enter text, the predictive text features of Swype and Android keyboard suggest words matching your key touches. If you find that predictive text often predicts the wrong word, or if you have special words that you enter often, add them to the User dictionary.

Add and manage words in your user dictionary.

- To add a word, press the **Menu Key**, then select **Add**.
- To edit a word, touch the word, then select **Edit**.
- To delete a word, touch the word, then select **Delete**.

Accessibility

Accessibility services provide special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accessibility**.
2. Touch **Accessibility** to activate or deactivate access to accessibility services.

Accessibility services

Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

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1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Accessibility**.
2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box:
   - **TalkBack**: When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.
   - **KickBack**: When enabled, vibrates for touch actions.
   - **SoundBack**: When enabled, plays tones for touch actions.

Text-to-speech

Text-to-speech provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Text-to-speech**.
2. Touch a setting to configure:
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Install voice data**: Download and install the speech synthesis data needed to activate Text-to-speech from Android Market (free).
   - **Always use my settings**: When enabled, settings you make override the application's default settings.
   - **Speak incoming CallerID**: When enabled, reads out the CallerID for incoming calls.
   - **Default Settings**: Configure settings to your preferences. When Always use my settings is enabled, these settings override the application's default settings.
     - **Speech rate**: Set the speed at which the text is spoken.
     - **Language**: Set the language voice for spoken text.

Date & time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want disable this setting to set date and time information manually.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Date & time**.
2. Touch a setting to configure:
   - **Automatic**: Touch to enable or disable automatic date and time updates from the wireless network.
   - **Set date**: Enter the current date (only available when the Automatic setting is disabled).
   - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
   - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

About phone

View information about your phone, including status, legal information, hardware and software versions, and a system tutorial.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **About phone**.
2. Touch items to view details:
   - **System updates**: Check for and install updates to your phone.
   - **Status**: View Battery status, My phone number, MIN, PRL version, ERI version, MEID, Network, Signal strength, Service state, Roaming, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
   - **Battery use**: Display the processes and applications that are currently running. Touch and hold on an item to view details.
   - **Legal information**: Display open source licenses and Google info.
   - **System tutorial**: View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
   - **Hardware version**: Display the hardware version of your phone.
   - **Model number**: Display your phone's model number.
   - **Firmware version**: Display the firmware version of your phone.
   - **Baseband version**: Display the baseband version of your phone.
   - **Kernel version**: Display the kernel version of your phone.
   - **Build number**: Display your phone's build number.

Set-up Wizard

Use the Set-up Wizard to set up your accounts, and to view helpful information about the phone.

Tip: The first time you turn your phone on, the Set-up Wizard will prompt you to personalize your phone.

1. From the Home screen, press the **Menu Key**, then touch **Settings** ➔ **Set-up Wizard**.
2. Follow the prompts to configure:
   - **Backup Assistant**: Save your contacts to a secure web site. For more information, For more information, refer to *"Backup Assistant"* on page 50.
   - **Add accounts**: Configure access to your Facebook, Twitter and MySpace, Corporate or Google accounts.
   - **My Location**: Configure your phone's use of location services. for more information, see *"My Location"* on page 103.
   - **Search mode**: View information about pressing the **Menu Key** to access Search mode.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://com.iarc.fr/en/media-centre/pr/.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 0.89 W/Kg
- Body-worn: 0.73 W/Kg

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;

- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important!: Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important!: Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

Warning!: Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning!: Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty” on page 139.

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs**.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From a Home screen, touch **Phone**.

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Press the **Send Key**.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

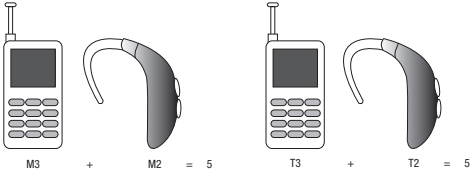
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together.

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



If a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

“Normal usage” in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC/Wi-Fi for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show

evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are The Limits On Samsung's Warranty/liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS

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THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

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Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

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